SERVICE MANUAL

PARTS LIST

PRIDE IN QUALITY

AKAI CASSETTE TAPE DECK

MODEL GXC-510D

ALSO APPLICABLE TO MODEL GXC-505D,
GXC-502D, GXC-500D AND GXC-500

CASSETTE TAPE DECK

MODEL GXC-510D

ALSO APPLICABLE TO MODEL GXC-505D, GXC-502D, GXC-500D
CASSETTE TAPE DECKS AND GXC-500 CASSETTE TAPE RECORDER

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SECTION 1

SERVICE MANUAL

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I. SPECIFICATIONS

An asterisk next to a figure indicates the minimum guaranteed performance.

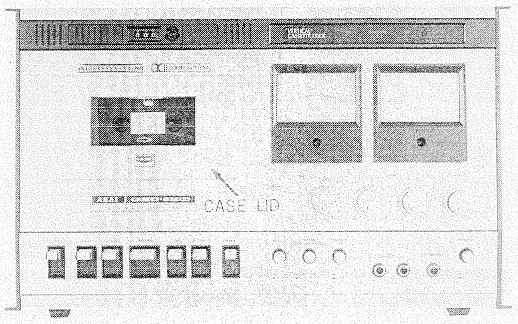
TRACK SYSTEM		4-track 2-channel stereo system
TAPE SPEED		1-7/8 ips. (4.75 cm/sec.) ±1% *1-7/8 ips. (4.75 cm/sec.) ±3%
WOW AND FLUTTER		Less than 0.08% W.R.M.S. *Less than 0.24% W.R.M.S.
TOTAL WOW AND FLUTTER		*Less than 0.3% W.R.M.S.
FREQUENCY RESPONSE	CHROME TAPE	30 to 16,000 Hz ±3 dB *50 to 14,000 Hz ±4 dB
	LOW NOISE TAPE	30 to 14,000 Hz ±3 dB *50 to 13,000 Hz ±4 dB
DISTORTION FACTOR		Less than 1.0% 1,000 Hz "0" VU
TOTAL DISTORTION FACTOR		*Less than 5% CHROME TAPE *Less than 3% LOW NOISE TAPE
PLAYBACK OUTPUT LEVEL	LINE	0.775V(0 ± 2 dB) using a 333 Hz "0" VU recorded tape
	DIN	0.775V(0 ± 2 dB) using a 333 Hz "0" VU recorded tape 0.55V(-3 ± 2 dB) using a 333 Hz "0" VU recorded tape---MODEL GXC-505D
HEADPHONE OUTPUT		30 mV/8Ω using a 333 Hz "0" VU recorded tape
INPUTS	MIC	More than 0.5 mV
	LINE	More than 60 mV
	DIN	More than 4 mV
RECORDING PLAYBACK LEVEL	CHROME TAPE	-3 ± 1.5 dB 1,000 Hz "0" VU recording;
	LOW NOISE TAPE	0 ± 2 dB 1,000 Hz "0" VU recording
SIGNAL TO NOISE RATIO		Better than 50 dB *Better than 43 dB
TOTAL SIGNAL TO NOISE RATIO		*Better than 40 dB
CROSS TALK		Better than 25 dB 1,000 Hz 3 VU recording
ERASE RATIO		Better than 70 dB
RECORDING BIAS FREQUENCY		61 ± 3 kHz
BIAS LEAK		Less than -20 VU
RECORDING CAPACITY		90 min. stereo recording using a C-90 cassette tape
F.FWD AND RWD. TIME		80 sec. using a C-90 cassette tape
HEADS	RECORDING/PLAYBACK HEAD	4-track 2-channel GX recording/playback head Type: P4-341 Gap: 1.7 microns Impedance: 1,000Ω ± 20% at 1 kHz D.C. Resistance: 190Ω
	ERASE HEAD	2-track 1-channel erase head Type: ME-136A Gap: 0.3 mm Impedance: 330Ω ± 10% at 50 kHz D.C. Resistance: 8Ω ± 30%
MOTOR		Hysteresis Synchronous outer rotor motor Type: HM1-12CS Revolutions: 1,500/1,800 r.p.m. at 50/60 Hz
TRANSISTORS AND F.E.T. (Model GXC-505D shown in parentheses)		2SA628(E) (F) . . . . . 2(0) 2SA733(P (Q) (R). . . 1(1) 2SC711(E) (F) (G). . .19(7) 2SC945(P) (Q) (R). . .2(2) 2SC1096(K) (L). . . . 2(2) 2SC1312R(G) (H). . .6(2) 2SC1312S(G) (H) . . . 4(4) 2SK30A(GR) . . . . . 2(0)
DIODES (Model GXC-505D shown in parentheses)		1N34A. . .8(2) WG713. . .1(1) 10D05 . . . 1(1) WG599 . . . . . 1(1) 1S2473VE. . .18(0) WZ192 . . . . . 1(1) 1N4001. . .4 (4) WZ085. . .2(0)
POWER SUPPLY		100 to 240V A.C. 50/60 Hz for Universal Models 100V A.C. 50/60 Hz for JPN Models 220V A.C. 50 Hz for CEE Models 120V A.C. 60 Hz for CSA Models Notice: CEE, CSA Models come in Model GXC-510D only
POWER CONSUMPTION		20W. . . GXC-510D 16W. . . GXC-505D
DIMENSIONS		414(W) x 257(H) x 132(D)mm (16.4" x 10.1" x 5.2") --- GXC-510D 414(W) x 257(H) x 152 (D)mm (16.4" x 10.1" x 6") --- GXC-505D
WEIGHT		6.8 kg(15 lbs.) --- GXC-510D 6.3 kg(14 lbs.) --- GXC-505D

NOTE: Specifications subject to change without notice.

II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs. Reassemble in reverse order.

1



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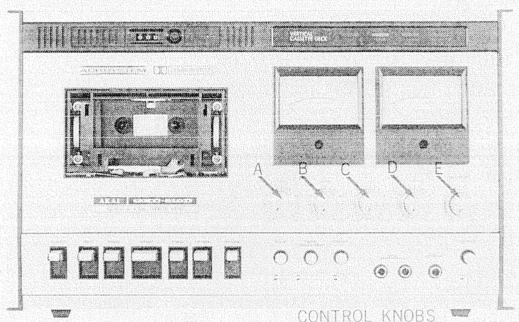
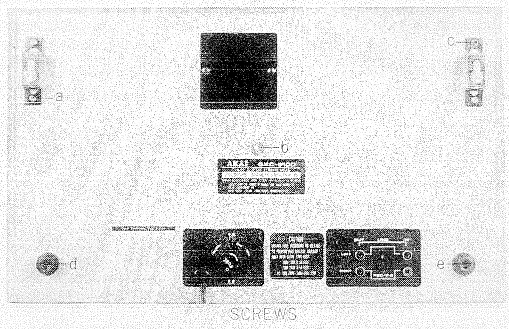
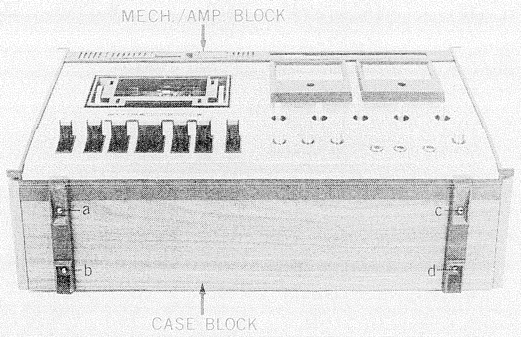

A
B
C
D
E
CONTROL KNOBS

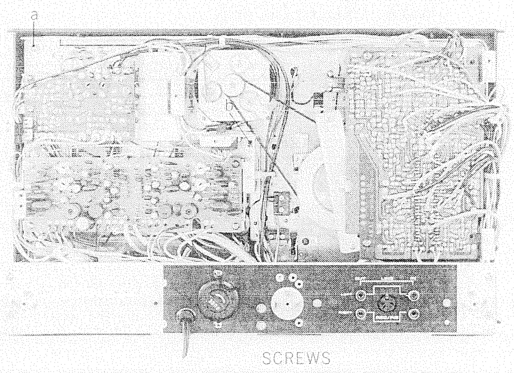
3


a
c
b
d
e
SCREWS

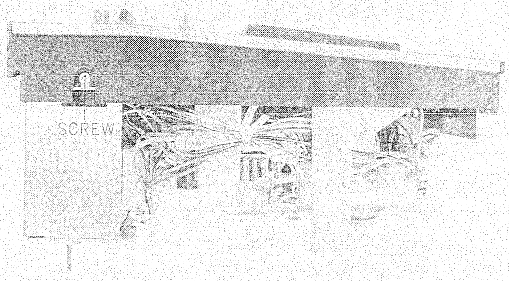
4


MECH./AMP BLOCK
a
c
b
d
CASE BLOCK

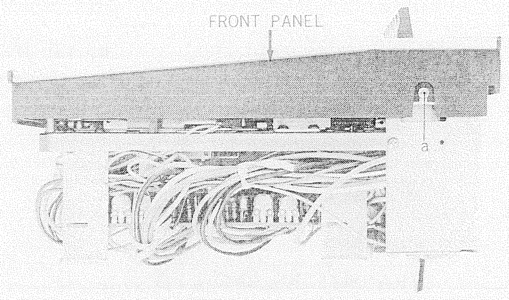
5



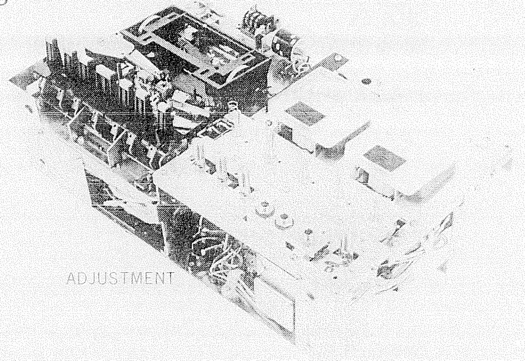
6



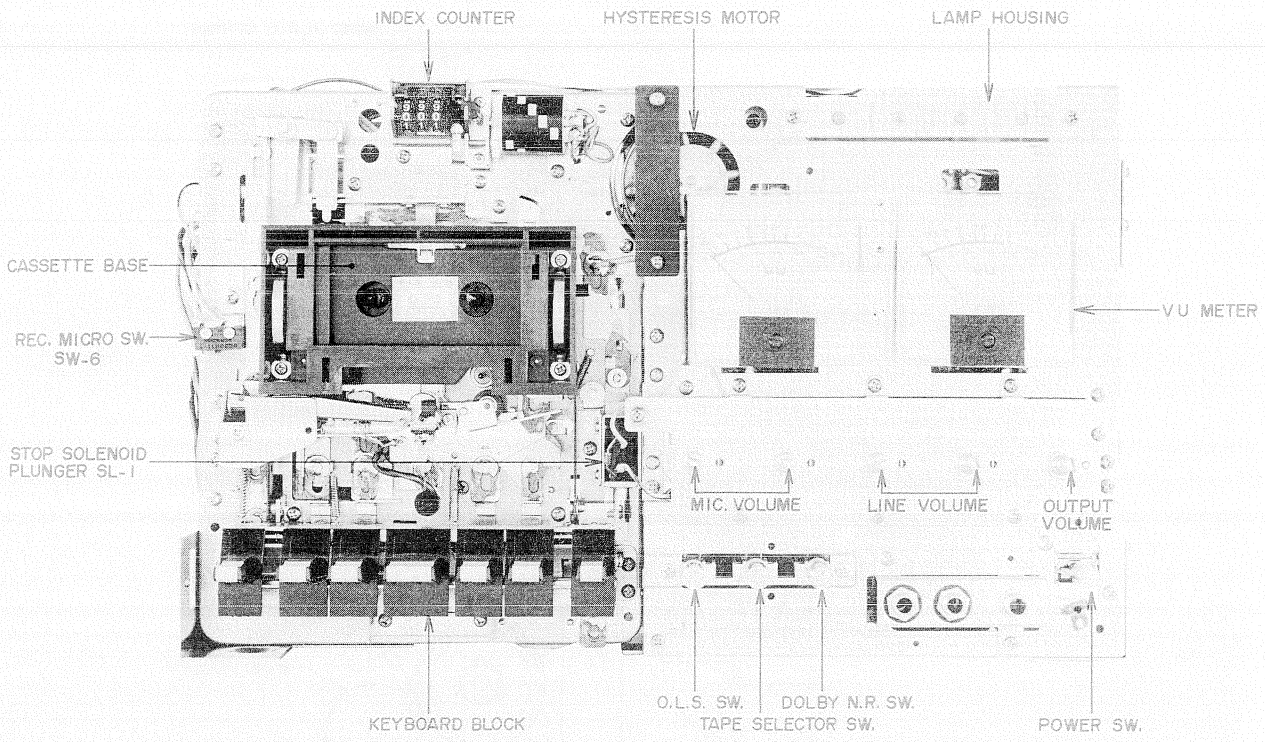
7

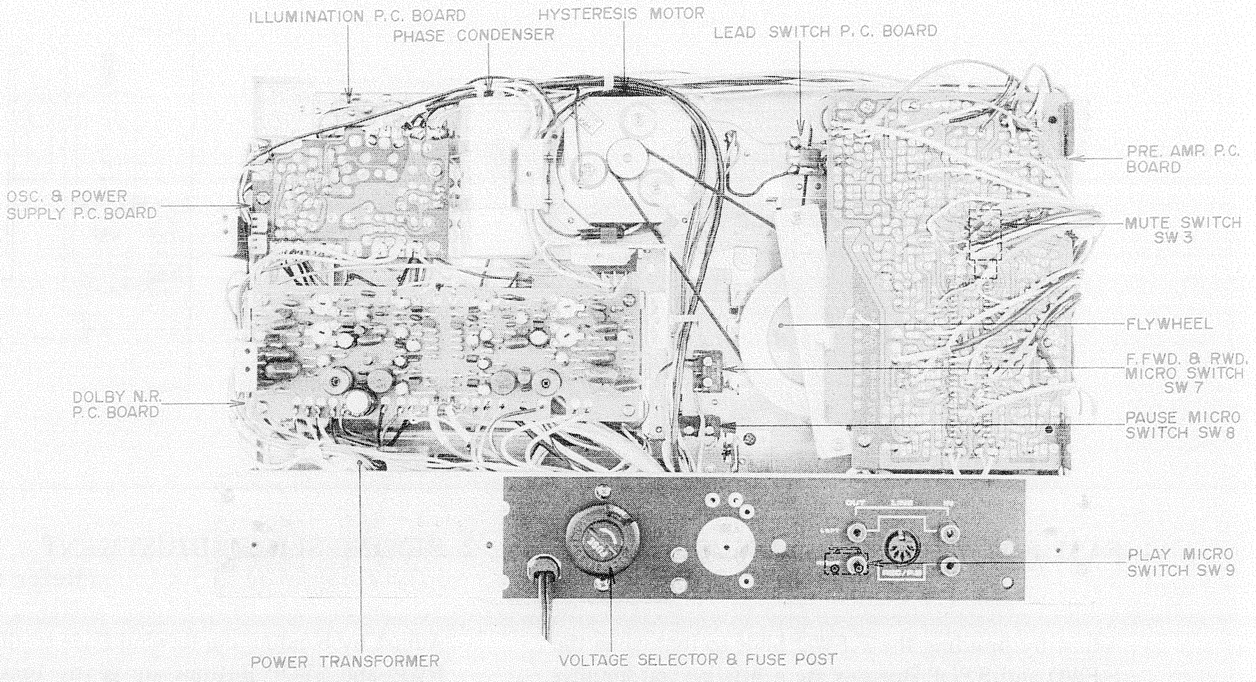

FRONT PANEL
a

8


ADJUSTMENT

III. ARRANGEMENT OF PRINCIPAL PARTS


INDEX COUNTER
HYSTERESIS MOTOR
LAMP HOUSING
CASSETTE BASE
REC. MICRO SW. SW-6
V U METER
STOP SOLENOID PLUNGER SL-1
MIC. VOLUME
LINE VOLUME
OUTPUT VOLUME
O.L.S. SW.
DOLBY N.R. SW.
TAPE SELECTOR SW.
KEYBOARD BLOCK
POWER SW.


ILLUMINATION P.C. BOARD
HYSTERESIS MOTOR
PHASE CONDENSER
LEAD SWITCH P. C. BOARD
PRE. AMP. P.C. BOARD
OSC. & POWER SUPPLY P.C. BOARD
MUTE SWITCH SW 3
FLYWHEEL
F.FWD. & RWD. MICRO SWITCH SW 7
DOLBY N.R. P.C. BOARD
PAUSE MICRO SWITCH SW 8
PLAY MICRO SWITCH SW 9
POWER TRANSFORMER
VOLTAGE SELECTOR & FUSE POST

IV. MECHANISM ADJUSTMENTS

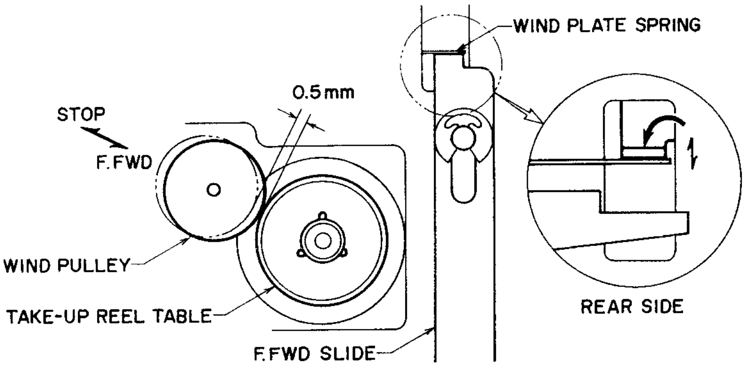

WIND PLATE SPRING
0.5mm
STOP
F.FWD
WIND PULLEY
TAKE-UP REEL TABLE
F.FWD SLIDE
REAR SIDE

Fig. 1

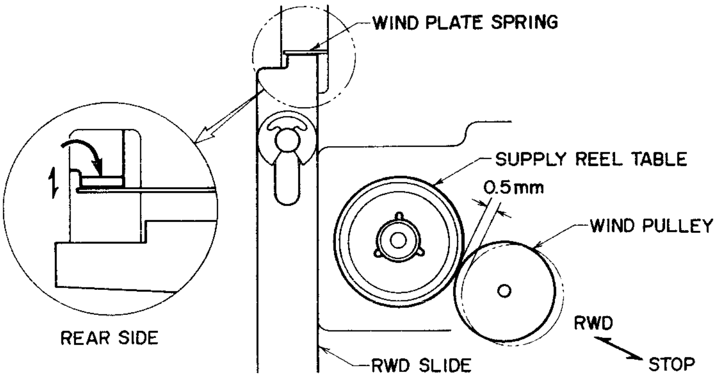

WIND PLATE SPRING
SUPPLY REEL TABLE
0.5mm
WIND PULLEY
REAR SIDE
RWD
STOP
RWD SLIDE

Fig. 2

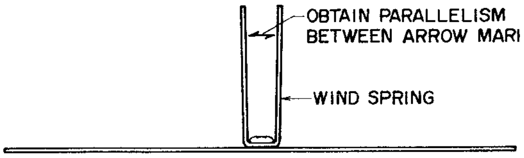

OBTAIN PARALLELISM
BETWEEN ARROW MARI
WIND SPRING

Fig. 3

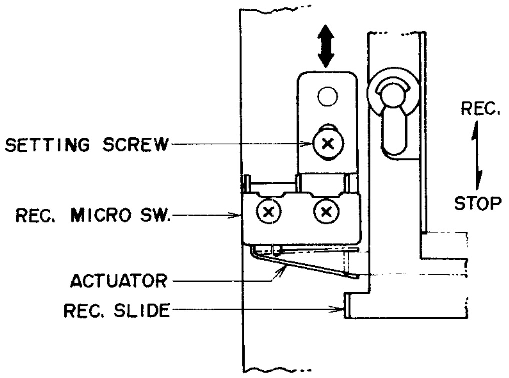

SETTING SCREW
REC. MICRO SW.
ACTUATOR
REC. SLIDE
REC.
STOP

Fig. 4

1. FAST FORWARD SLIDE ADJUSTMENT (Refer to Fig. 1)

Adjust by bending the F.FWD Slide so that when the F.FWD and STOP Buttons are gently braked simultaneously, the wind pulley separates from the take-up reel table and this gap width is 0.5 mm.

2. REWIND SLIDE ADJUSTMENT (Refer to Fig. 2)

Adjust by bending the Rewind Slide so that when the RWD and STOP Buttons are gently braked simultaneously, the wind pulley separates from the supply reel table and this gap width is 0.5 mm.

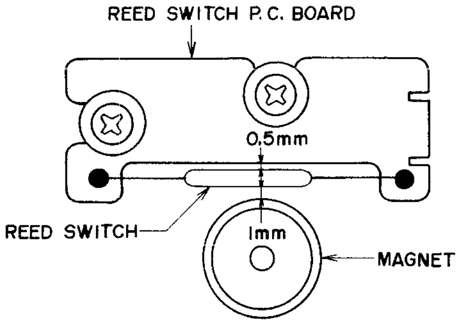

REED SWITCH P.C. BOARD
0.5mm
REED SWITCH
1mm
MAGNET

Fig. 5

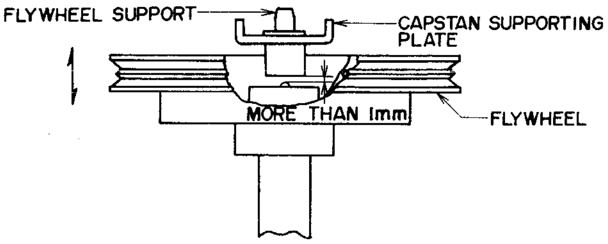

FLYWHEEL SUPPORT
CAPSTAN SUPPORTING PLATE
MORE THAN 1mm
FLYWHEEL

Fig. 6

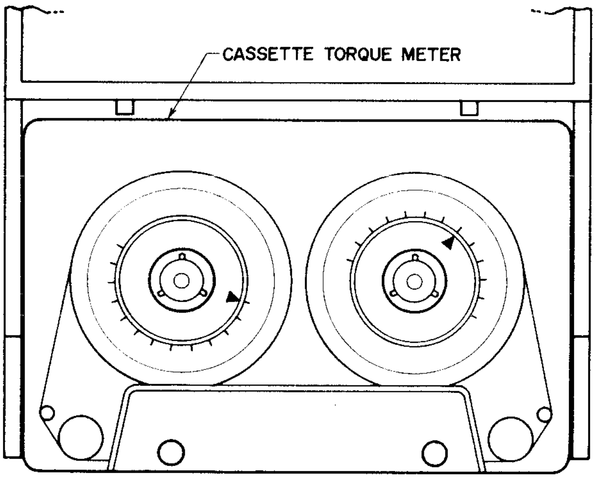

CASSETTE TORQUE METER

Fig. 7

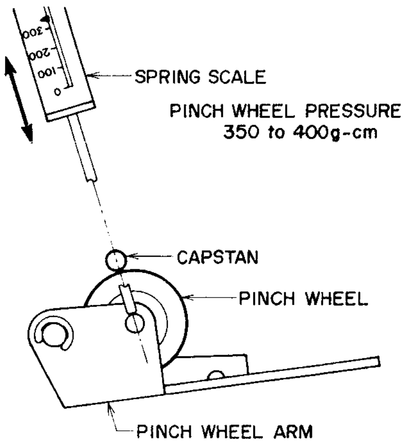

300
200
100
0
SPRING SCALE
PINCH WHEEL PRESSURE
350 to 400g-cm
CAPSTAN
PINCH WHEEL
PINCH WHEEL ARM

Fig. 8

3. RECORDING MICRO SWITCH POSITION ADJUSTMENT (Refer to Fig. 4)

Set deck to recording mode and move micro switch as indicated by the arrow mark in the figure. Adjust so that the recording slide pushed the micro switch actuator and the micro switch is completely turned ON.

NOTE: The recording slide must not contact the body of the micro switch.

4. REED SWITCH POSITION ADJUSTMENT (Refer to Fig. 5)

Adjust reed switch as shown in Fig. 5.

5. FLYWHEEL VERTICAL LOOSE PLAY CONFIRMATION (Refer to Fig. 6)

Confirm that the gap between the flywheel and flywheel support is more than 1 mm as shown in Fig. 6.

6. TAKE-UP TORQUE AT VARIOUS MODES AND TORQUE MEASURING METHOD (Refer to Fig. 7)

As shown in Fig. 7, set a cassette torque meter on cassette base and take a reading of the indication (▲ mark) at each respective mode.

NOTE: Take the torque meter indication value plus 10 gr-cm as deck take up torque.

7. PINCH WHEEL PRESSURE MEASURING METHOD (Refer to Fig. 8)

As shown in Fig. 8, at playback mode, push the pinch wheel arm toward shaft with a spring scale. Return gently and take a reading of the spring scale indication when the pinch wheel contacts the capstan.

V. HEAD ADJUSTMENT

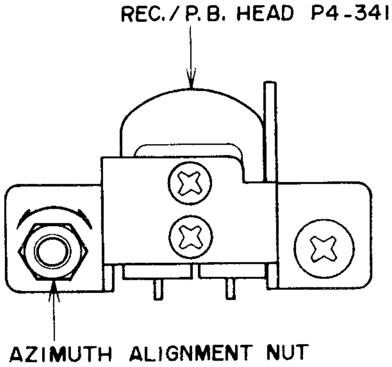


Fig. 9

RECORDING/PLAYBACK HEAD AZIMUTH ALIGNMENT ADJUSTMENT (Refer to Fig.9)

Playback a 10 kHz recorded test tape and adjust azimuth alignment nut so that the line output is maximum on both channels.

NOTES:

1) As perfect head adjustments are vital in attaining top tape deck performance, please be sure that these adjustments are properly carried out.
2) Be careful not to use a magnetized screw driver or other magnetized tools in the vicinity of the heads.
3) Use only new tape as level variation is likely to occur when using old tape.
4) Demagnetize heads with a Head Demagnetizer before and after head adjustment.

VI. AMPLIFIER ADJUSTMENT

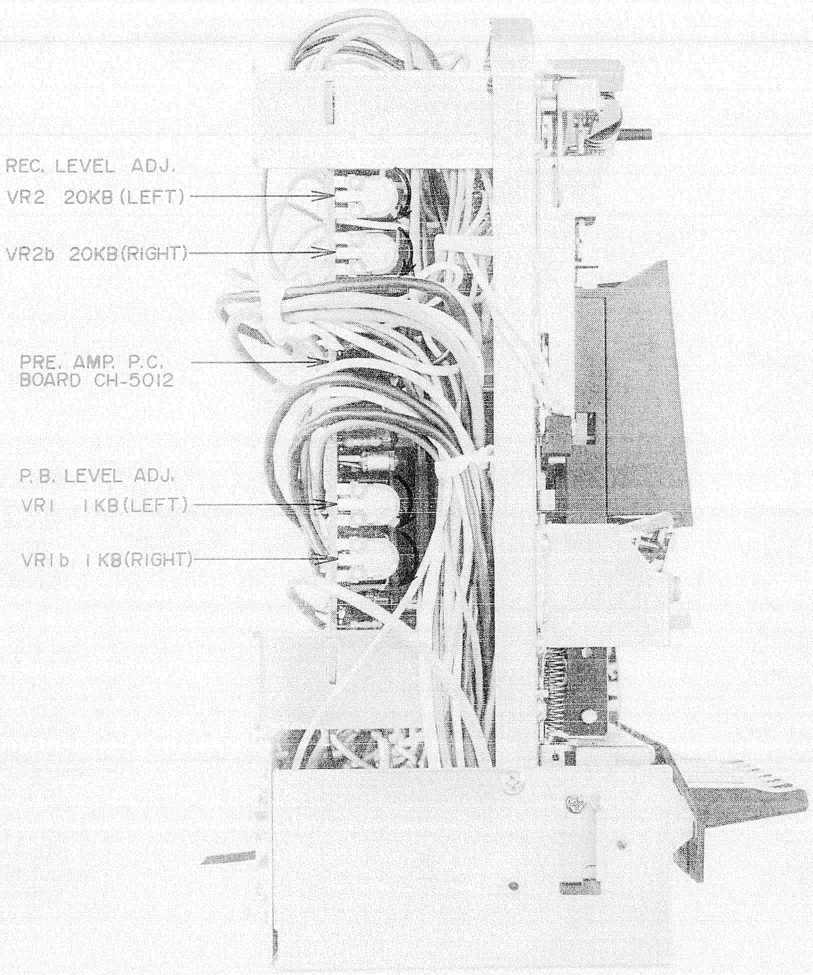

REC. LEVEL ADJ.
VR2 20KB (LEFT)
VR2b 20KB(RIGHT)
PRE. AMP. P.C. BOARD CH-5012
P.B. LEVEL ADJ.
VR1 1KB(LEFT)
VR1b 1KB(RIGHT)

Fig. 10

NOTE: Pre-Amp. P.C. Boards CH-5012 are not interchangeable between models GXC-510D and GXC-505D.

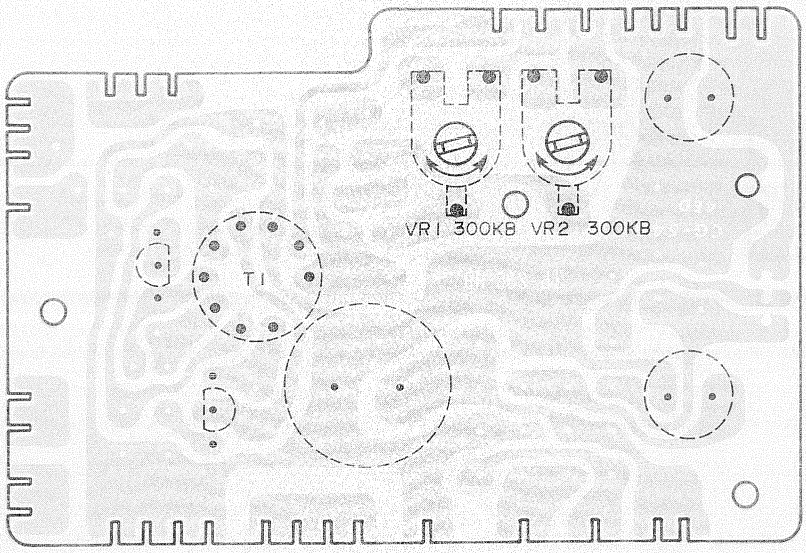

VR1 300KB
VR2 300KB
T1

Fig. 11

Adjustment Item	Test Tape Supply Signal	Measuring Instrument Connections	Mode	Adjustment Part	Result	Ref. Diagram	Remarks
PLAYBACK LEVEL ADJUSTMENT	333 Hz 0 VU Test Tape	High Sensitivity V.T.V.M. to Line Output	FWD	VR1 1 kB	0 ± 1.5 dB	Fig. 10	
RECORDING LEVEL ADJUSTMENT (low noise)	Low Noise Tape 1,000 Hz 0 VU recording	Audio Frequency Oscillator to Line Input and High Sensitivity V.T.V.M. to Line Output	REC and FWD	VR2 20 kB	0 ± 2 dB	Fig. 10	Set Tape Selector to LOW NOISE Position
RECORDING LEVEL ADJUSTMENT (chrome)	Chromium Dioxide Tape 1,000 Hz recording	Audio Frequency Oscillator to Line Input and High Sensitivity V.T.V.M. to Line Output	REC and FWD		-3 ± 1.5 dB		Set Tape Selector to WIDE RANGE Position
FREQUENCY RESPONSE ADJUSTMENT	Low Noise Tape, 1,000 Hz, 10,000 Hz -20 VU recording	Audio Frequency Oscillator to Line Input and High Sensitivity V.T.V.M. to Line Output	REC and FWD	VR1 300 kB (left) VR2 300 kB (right)	Obtain flat frequency response from 1,000 Hz to 10,000 Hz	Fig. 11	Recheck recording level by changing bias
RECORDING BIAS FREQUENCY CHECK		Frequency Counter to recording/playback head terminal	REC		61 ± 3 kHz	Fig. 12	
RECORDING BIAS VOLTAGE CHECK		AC. Voltmeter to recording/playback head terminal			About 4V AC (low noise) About 5.5V AC (chrome)	Fig. 12	
ERASE VOLTAGE CHECK		AC. Voltmeter to erase head terminal			About 34V AC (low noise) About 46V AC (chrome)	Fig. 12	

Chart 1

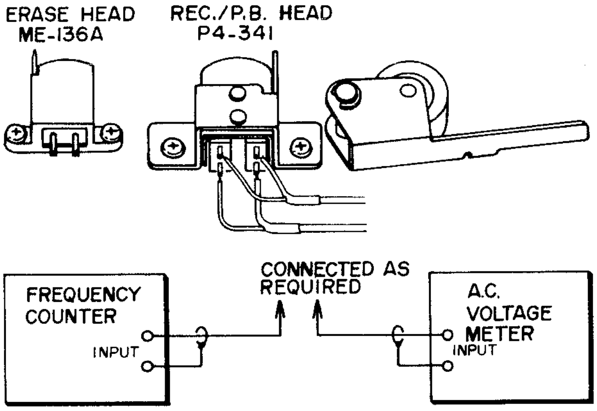
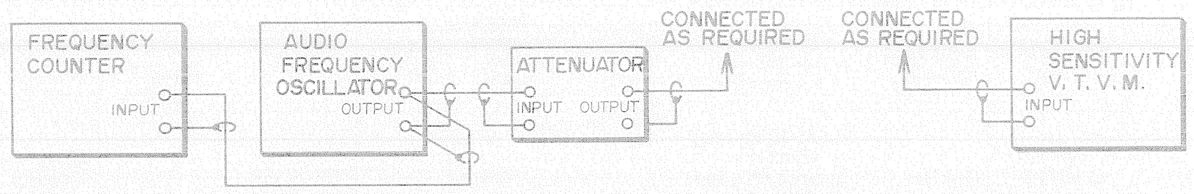


Fig. 12

VII. DOLBY NOISE REDUCTION ADJUSTMENTS


FREQUENCY COUNTER
INPUT
AUDIO FREQUENCY OSCILLATOR
OUTPUT
ATTENUATOR
INPUT
OUTPUT
CONNECTED AS REQUIRED
CONNECTED AS REQUIRED
HIGH SENSITIVITY V. T. V. M.
INPUT

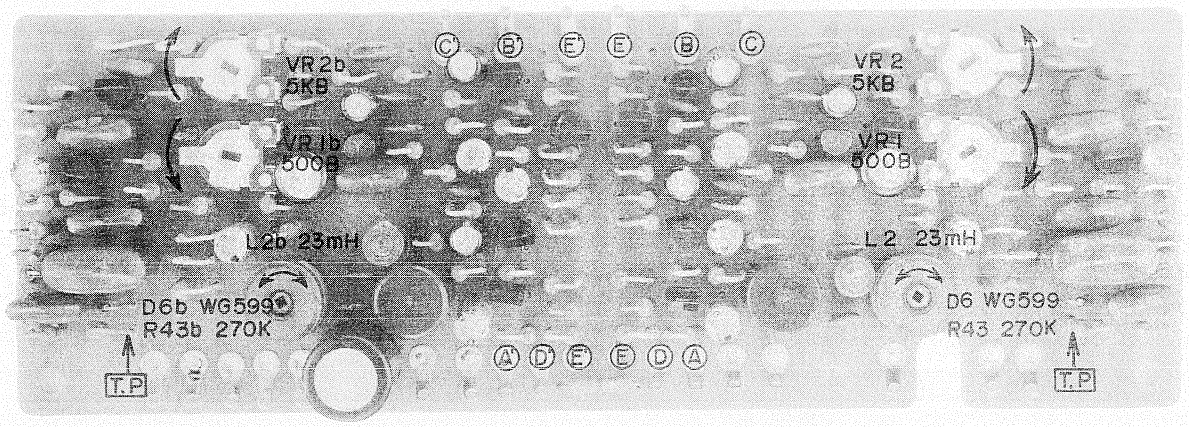

VR 2b 5KB
VR 1b 500B
L2b 23mH
D6b WG599
R43b 270K
T.P
Ⓒ Ⓑ' Ⓔ' Ⓔ Ⓑ Ⓒ
Ⓐ' Ⓓ' Ⓔ' Ⓔ Ⓓ Ⓐ
VR 2 5KB
VR 1 500B
L 2 23mH
D6 WG599
R43 270K
T.P

Fig. 13

NOTES:

1. Because crucial frequency and level etc. is determined by Dolby NR Circuit adjustment, be sure to use only measuring instruments which are accurate.
2. Level deviation must be within ±0.5 dB.
3. Paint lock all semi-fixed resistors following adjustment.
4. Because adjustment error will occur from a jump in recording bias, be sure to disconnect power supply lead wire from Oscillator circuit prior to Dolby NR. Circuit adjustment.
5. Reference Diagram: Fig. 13.

Adjustment Item	Supply Signal	Measuring Instrument Connections	Mode	Dolby Switch Position	T.P.	Adjustment Part	Result		Remarks
							B point level	D point level	
19 kHz FILTER ADJUSTMENT	19 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (D)		ON		L2 23 mH		Minimum level to Input level	
RECORDING DOLBY ADJUSTMENT	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	REC	OFF	to GND	External attenuator	+2 dBm	+2 dBm (confirmation)	Level Control Volume and VR1 (500B), VR2 (5 kB) maximum
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	REC	OFF	to GND	Reduce Input Level by 30.5dB with attenuator	-28.5 dBm		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (b)	REC	ON	to GND	VR2 500B	-18.5 dBm (10 dB increase)		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	REC	ON	Disconnect from GND	VR1 5 kB	20.5 dBm dBm (2 dB decrease)		
PLAYBACK DOLBY ADJUSTMENT	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	OFF	to GND	External attenuator	+2 dBm	+2 dBm (confirmation)	Perfect recording Dolby adjustments and when circuit is normal, confirm items at left.
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	OFF	to GND	Reduce Input Level by 22.5dB with attenuator	-20.5 dBm		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	ON	to GND		-30.5 dBm (10 dB decrease)		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	ON	Disconnect from GND		-28.5 dBm (2 dB increase)		

Chart 2

VIII. D.C. RESISTANCE OF VARIOUS COILS

Part	Designation	D.C. Resistance
MOTOR	HM1-12CS	Between YLW-BLU 200Ω Between BLU-RED 180Ω Between RED-YLW 190Ω
STOP SOLENOID	0730TH71	15Ω ± 10%
HEADPHONE OUTPUT TRANSFORMER	N16-535S	Primary 565Ω ± 15% Secondary 0.95Ω ± 15%
OSCILLATOR COIL	OT-903	Between 1-3 0.04Ω Between 4-6 0.14Ω Between 7-9 0.65Ω
ERASE HEAD	ME-136A	8Ω ± 30%
RECORDING/PLAYBACK HEAD	P4-341	190Ω

NOTE: The resistance values shown in this chart are average values.

IX. CLASSIFICATION OF VARIOUS P.C. BOARDS

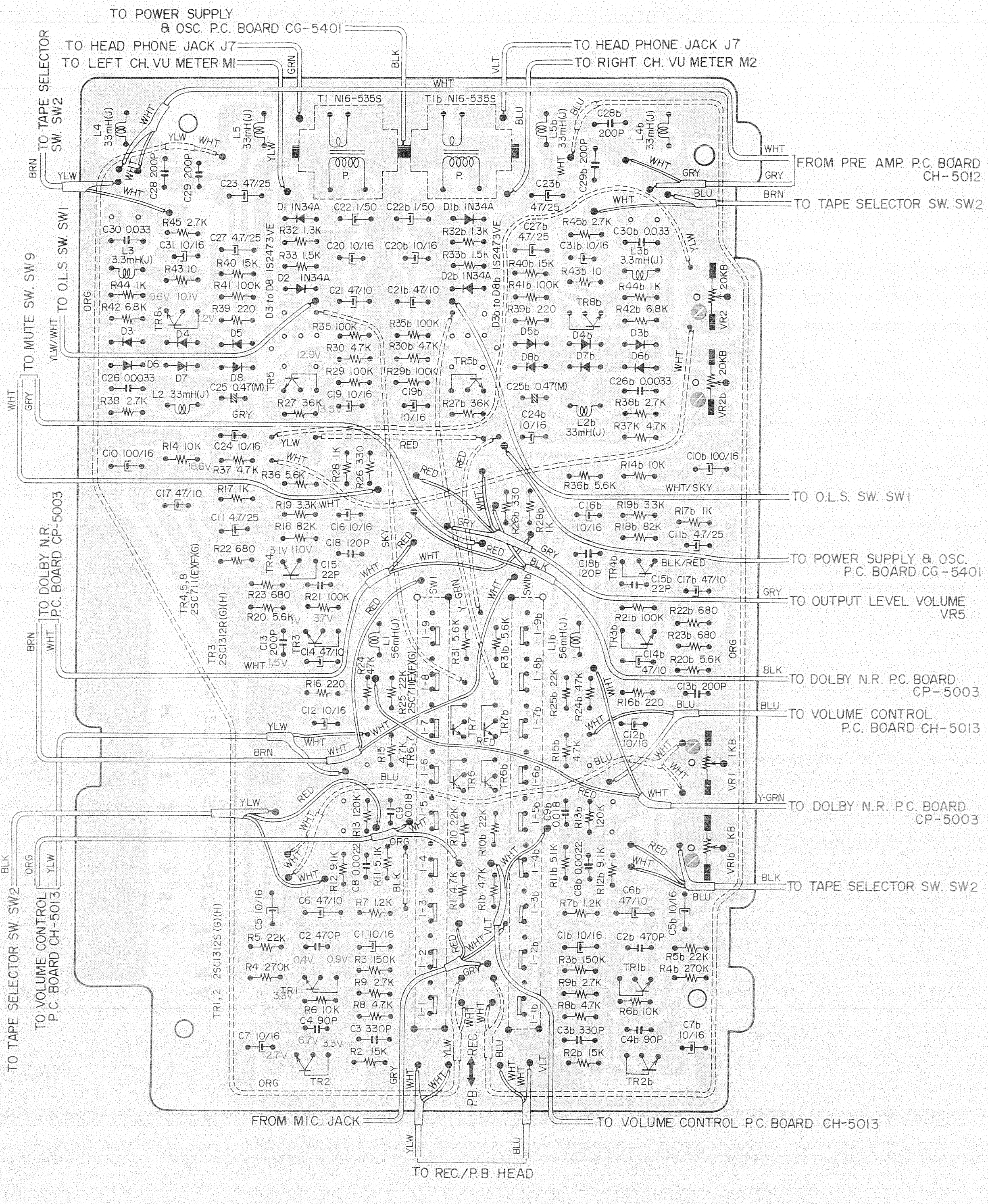
1. P.C. BOARD INTERCHANGEABILITY CHART

P.C. BOARD	GXC-510D	GXC-505D
ILLUMINATION P.C. BOARD	CH-5011	CH-5011*
PRE-AMP. P.C. BOARD	CH-5012	CH-5012*
VOLUME CONTROL P.C. BOARD	CH-5013	
FUSE P.C. BOARD		CH-5024
REED SWITCH P.C. BOARD	CG-1229	CG-1229
SYSCON P.C. BOARD	CG-1413	CG-1413
OSC/POWER SUPPLY P.C. BOARD	CG-5401	CG-5401
DOLBY N.R. P.C. BOARD	CP-5003	

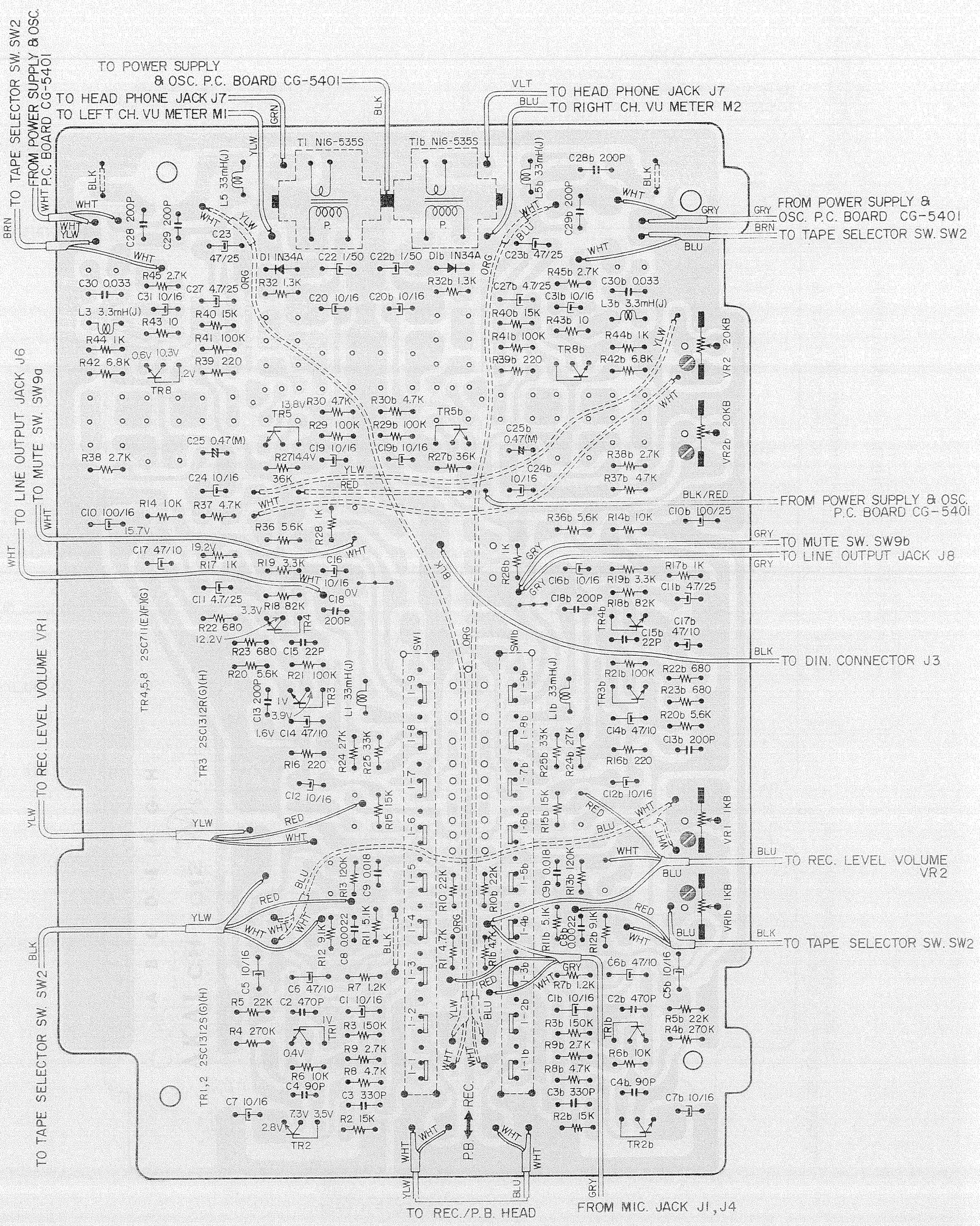
* ... Not interchangeable

2. COMPOSITE VIEWS OF COMPONENTS

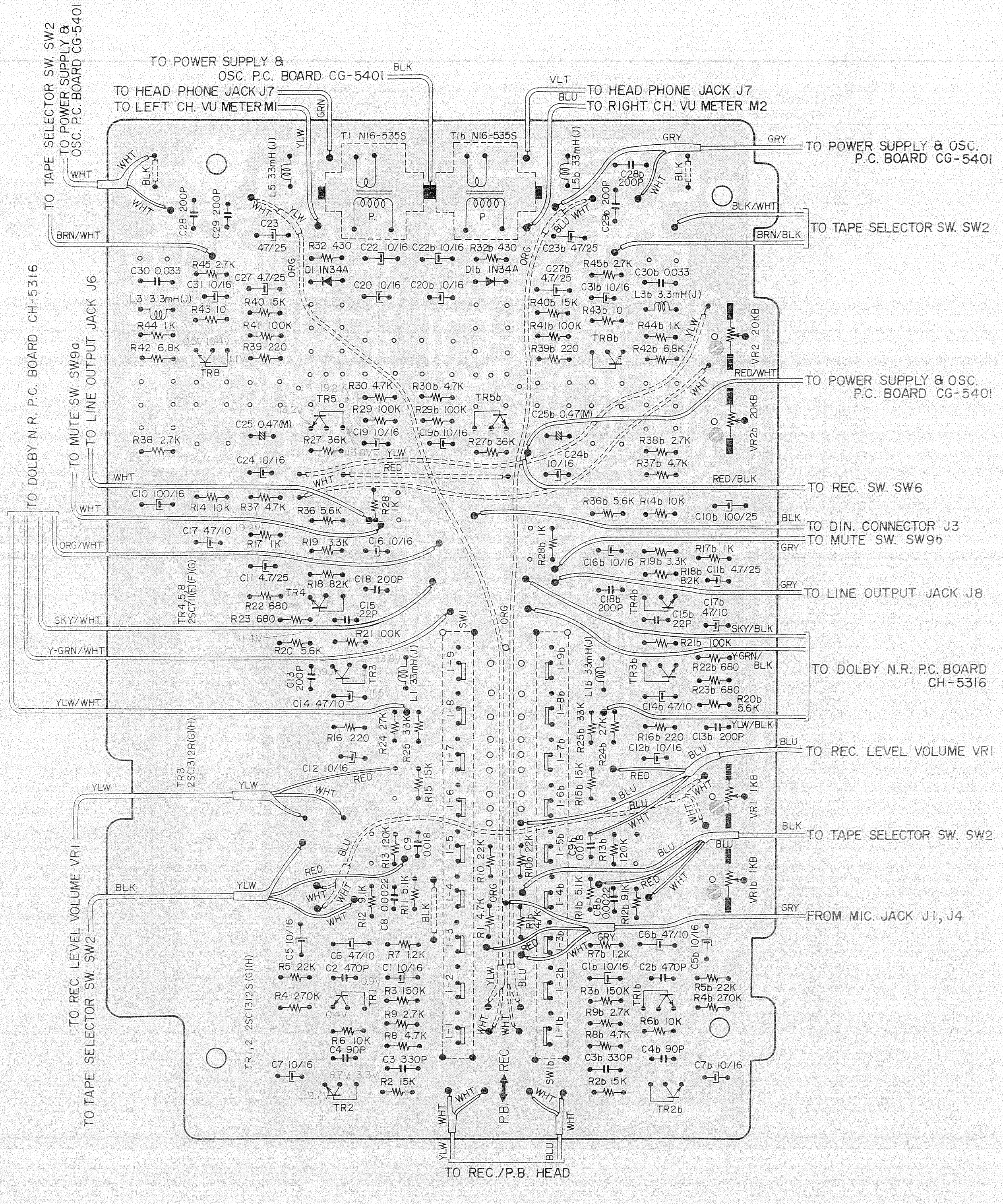
1) PRE AMP. P.C. BOARD CH-5012 (510D)


TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO HEAD PHONE JACK J7
TO LEFT CH. VU METER M1
TO HEAD PHONE JACK J7
TO RIGHT CH. VU METER M2
TO TAPE SELECTOR SW. SW2
FROM PRE AMP. P.C. BOARD CH-5012
TO TAPE SELECTOR SW. SW2
TO O.L.S SW. SW1
TO MUTE SW. SW9
TO O.L.S. SW. SW1
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO OUTPUT LEVEL VOLUME VR5
TO DOLBY N.R. P.C. BOARD CP-5003
TO DOLBY N.R. P.C. BOARD CP-5003
TO VOLUME CONTROL P.C. BOARD CH-5013
TO DOLBY N.R. P.C. BOARD CP-5003
TO TAPE SELECTOR SW. SW2
TO TAPE SELECTOR SW. SW2
TO VOLUME CONTROL P.C. BOARD CH-5013
FROM MIC. JACK
TO VOLUME CONTROL P.C. BOARD CH-5013
TO REC./P.B. HEAD
T1 N16-535S
T1b N16-535S
L4 33mH(J)
L5 33mH(J)
L5b 33mH(J)
L4b 33mH(J)
C28 200P
C29 200P
C28b 200P
C29b 200P
C23 47/25
C23b 47/25
D1 IN34A
C22 1/50
C22b 1/50
D1b IN34A
R45 2.7K
R45b 2.7K
C30 0.033
C30b 0.033
C31 10/16
C31b 10/16
C27 4.7/25
C27b 4.7/25
R32 1.3K
R32b 1.3K
L3 3.3mH(J)
L3b 3.3mH(J)
R33 1.5K
R33b 1.5K
C20 10/16
C20b 10/16
R40 15K
R40b 15K
R43 10
R43b 10
D2 IN34A
D2b IN34A
R44 1K
R44b 1K
R41 100K
R41b 100K
C21 47/10
C21b 47/10
R42 6.8K
R42b 6.8K
R39 220
R39b 220
D3 to D8 IS2473VE
D3b to D8b IS2473VE
TR8
TR8b
0.6V
10.1V
12V
D3
D4
D5
D3b
D4b
D5b
R35 100K
R35b 100K
R30 4.7K
R30b 4.7K
12.9V
D6
D7
D8
D6b
D7b
D8b
R29 100K
R29b 100K
TR5
TR5b
C26 0.0033
C26b 0.0033
C25 0.47(M)
C25b 0.47(M)
C19 10/16
C19b 10/16
L2 33mH(J)
L2b 33mH(J)
R38 2.7K
R38b 2.7K
R27 36K
R27b 36K
13.5V
C24 10/16
C24b 10/16
R37 4.7K
R37K 4.7K
VR2 20KB
VR2b 20KB
C10 100/16
C10b 100/16
R14 10K
R14b 10K
18.6V
R36 5.6K
R36b 5.6K
R28 1K
R28b 1K
R26 330
R26b 330
C17 47/10
C17b 47/10
R17 1K
R17b 1K
R19 3.3K
R19b 3.3K
C11 4.7/25
C11b 4.7/25
R18 82K
R18b 82K
C16 10/16
C16b 10/16
R22 680
R22b 680
C18 120P
C18b 120P
TR4,5,8 2SC711(EXF(G)
TR4
TR4b
3.1V
11.0V
C15 22P
C15b 22P
R23 680
R23b 680
R21 100K
R21b 100K
R20 5.6K
R20b 5.6K
3.7V
TR3 2SC1312R(G)(H)
TR3
TR3b
C13 200P
C13b 200P
C14 47/10
C14b 47/10
1.5V
L1 56mH(J)
L1b 56mH(J)
R31 5.6K
R31b 5.6K
SW1
SW1b
R16 220
R16b 220
C12 10/16
C12b 10/16
R24 47K
R24b 47K
R25 22K
R25b 22K
TR6,7 2SC711(EXF(G)
TR7
TR7b
TR6
TR6b
R15 4.7K
R15b 4.7K
VR1 1KB
VR1b 1KB
R13 120K
R13b 120K
C9 0.018
C9b 0.018
R10 22K
R10b 22K
R12 9.1K
R12b 9.1K
C8 0.0022
C8b 0.0022
R11 5.1K
R11b 5.1K
R1 4.7K
R1b 4.7K
C6 47/10
C6b 47/10
R7 1.2K
R7b 1.2K
C5 10/16
C5b 10/16
R5 22K
R5b 22K
C2 470P
C2b 470P
C1 10/16
C1b 10/16
TR1,2 2SC1312S(G)(H)
R4 270K
R4b 270K
R3 150K
R3b 150K
0.4V
0.9V
TR1
TR1b
3.5V
R9 2.7K
R9b 2.7K
R6 10K
R6b 10K
R8 4.7K
R8b 4.7K
C4 90P
C4b 90P
C7 10/16
C7b 10/16
C3 330P
C3b 330P
6.7V
3.3V
2.7V
R2 15K
R2b 15K
TR2
TR2b
1-1
1-2
1-3
1-4
1-5
1-6
1-7
1-8
1-9
1-1b
1-2b
1-3b
1-4b
1-5b
1-6b
1-7b
1-8b
1-9b
REC.
PB
WHT
YLW
GRN
BLK
VLT
BLU
BRN
GRY
ORG
RED
SKY
Y-GRN
WHT/SKY
BLK/RED
YLW/WHT

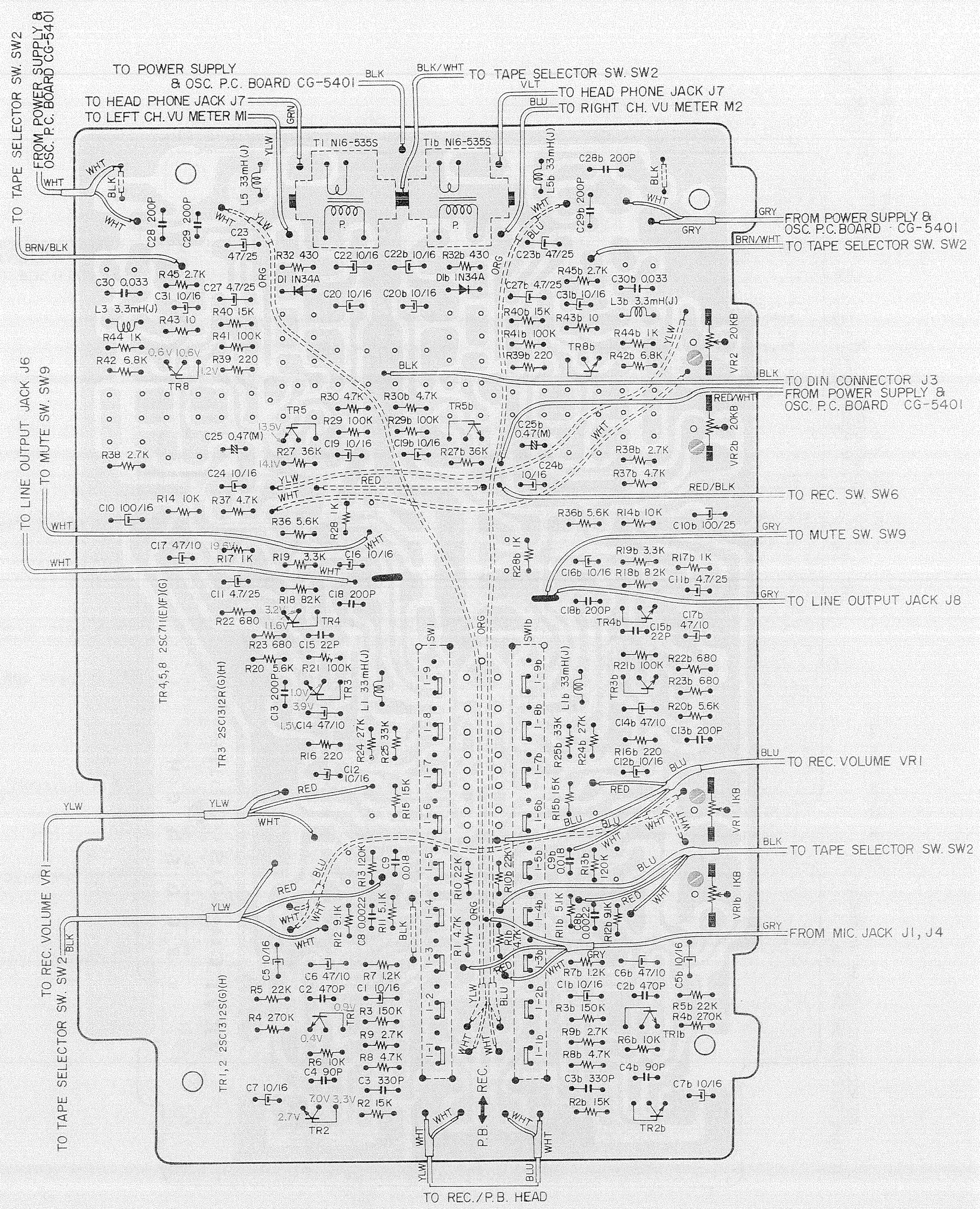
2) PRE AMP. P.C. BOARD CH-5012 (505D)


TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO HEAD PHONE JACK J7
TO LEFT CH. VU METER M1
TO TAPE SELECTOR SW. SW2
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
VLT
BLU
TO HEAD PHONE JACK J7
TO RIGHT CH. VU METER M2
T1 N16-535S
T1b N16-535S
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO TAPE SELECTOR SW. SW2
TO LINE OUTPUT JACK J6
TO MUTE SW. SW9a
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO MUTE SW. SW9b
TO LINE OUTPUT JACK J8
TO DIN. CONNECTOR J3
TO REC. LEVEL VOLUME VR1
TO REC. LEVEL VOLUME VR2
TO TAPE SELECTOR SW. SW2
TO TAPE SELECTOR SW. SW2
TO REC./P.B. HEAD
FROM MIC. JACK J1, J4
P.B.
REC.
TR4,5,8 2SC711(E)(F)(G)
TR3 2SC1312R(G)(H)
TR1,2 2SC1312S(G)(H)
VR2 20KB
VR2b 20KB
VR1 1KB
VR1b 1KB
SW1
SW1b
D1 1N34A
D1b 1N34A
L5 33mH(J)
L5b 33mH(J)
L3 3.3mH(J)
L3b 3.3mH(J)
L1 33mH(J)
L1b 33mH(J)
C28 200P
C29 200P
C28b 200P
C29b 200P
C23 47/25
C23b 47/25
C22 1/50
C22b 1/50
C20 10/16
C20b 10/16
C30 0.033
C30b 0.033
C31 10/16
C31b 10/16
C27 4.7/25
C27b 4.7/25
C25 0.47(M)
C25b 0.47(M)
C24 10/16
C24b 10/16
C19 10/16
C19b 10/16
C10 100/16
C10b 100/25
C17 47/10
C17b 47/10
C16 10/16
C16b 10/16
C11 4.7/25
C11b 4.7/25
C18 200P
C18b 200P
C15 22P
C15b 22P
C13 200P
C13b 200P
C14 47/10
C14b 47/10
C12 10/16
C12b 10/16
C9 0.018
C9b 0.018
C8 0.0022
C8b 0.0022
C5 10/16
C5b 10/16
C6 47/10
C6b 47/10
C2 470P
C2b 470P
C1 10/16
C1b 10/16
C4 90P
C4b 90P
C3 330P
C3b 330P
C7 10/16
C7b 10/16
R45 2.7K
R45b 2.7K
R32 1.3K
R32b 1.3K
R43 10
R43b 10
R40 15K
R40b 15K
R44 1K
R44b 1K
R41 100K
R41b 100K
R42 6.8K
R42b 6.8K
R39 220
R39b 220
R30 4.7K
R30b 4.7K
R29 100K
R29b 100K
R27 144V 36K
R27b 36K
R38 2.7K
R38b 2.7K
R37 4.7K
R37b 4.7K
R14 10K
R14b 10K
R36 5.6K
R36b 5.6K
R28 1K
R28b 1K
R17 1K
R17b 1K
R19 3.3K
R19b 3.3K
R18 82K
R18b 82K
R22 680
R22b 680
R23 680
R23b 680
R20 5.6K
R20b 5.6K
R21 100K
R21b 100K
R16 220
R16b 220
R24 27K
R24b 27K
R25 33K
R25b 33K
R15 15K
R15b 15K
R13 120K
R13b 120K
R10 22K
R10b 22K
R12 9.1K
R12b 9.1K
R11 5.1K
R11b 5.1K
R1 4.7K
R1b 4.7K
R7 1.2K
R7b 1.2K
R5 22K
R5b 22K
R4 270K
R4b 270K
R3 150K
R3b 150K
R9 2.7K
R9b 2.7K
R6 10K
R6b 10K
R8 4.7K
R8b 4.7K
R2 15K
R2b 15K
TR8
TR8b
TR5
TR5b
TR4
TR4b
TR3
TR3b
TR1
TR1b
TR2
TR2b
0.6V
10.3V
1.2V
13.8V
15.7V
19.2V
0V
3.3V
12.2V
1V
3.9V
1.6V
0.4V
7.3V
3.5V
2.8V
1-1
1-2
1-3
1-4
1-5
1-6
1-7
1-8
1-9
1-1b
1-2b
1-3b
1-4b
1-5b
1-6b
1-7b
1-8b
1-9b
WHT
YLW
BRN
BLK
GRN
GRY
RED
ORG
BLU
BLK/RED

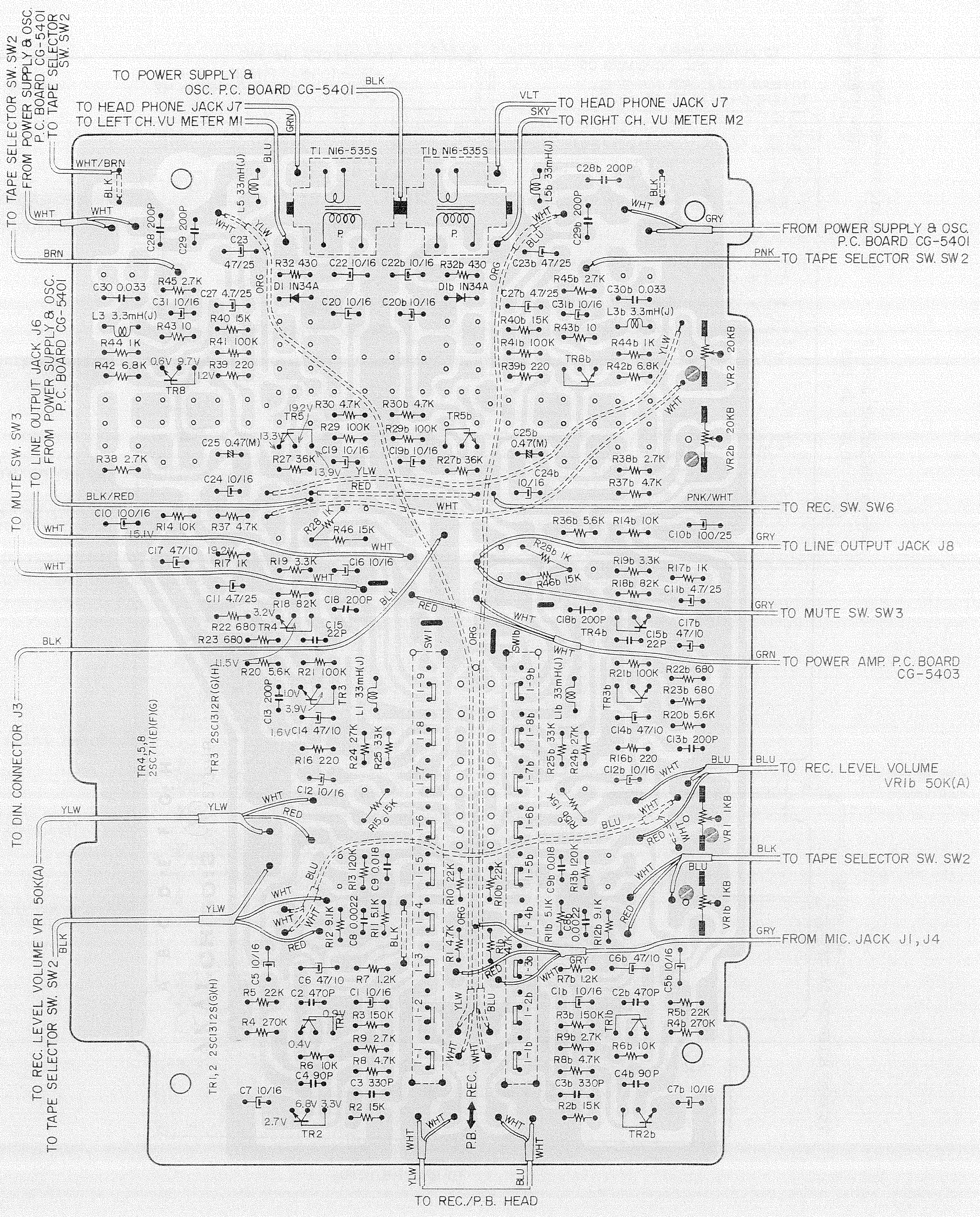
3) PRE AMP. P.C. BOARD CH-5012 (502D)


TO TAPE SELECTOR SW. SW2
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO HEAD PHONE JACK J7
TO LEFT CH. VU METER M1
BLK
GRN
VLT
BLU
TO HEAD PHONE JACK J7
TO RIGHT CH. VU METER M2
GRY
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK/WHT
BRN/BLK
TO TAPE SELECTOR SW. SW2
T1 N16-535S
T1b N16-535S
L5 33mH(J)
L5b 33mH(J)
C28 200P
C29 200P
C23 47/25
C28b 200P
C29b 200P
C23b 47/25
R32 430
C22 10/16
C22b 10/16
R32b 430
D1 1N34A
D1b 1N34A
C20 10/16
C20b 10/16
C30 0.033
R45 2.7K
C31 10/16
C27 4.7/25
L3 3.3mH(J)
R43 10
R40 15K
R41 100K
R44 1K
R42 6.8K
R39 220
TR8
0.5V
10.4V
1.1V
C27b 4.7/25
R45b 2.7K
C30b 0.033
C31b 10/16
R40b 15K
R43b 10
L3b 3.3mH(J)
R41b 100K
TR8b
R44b 1K
R39b 220
R42b 6.8K
VR2 20KB
VR2b 20KB
RED/WHT
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO DOLBY N.R. P.C. BOARD CH-5316
TO MUTE SW. SW9a
TO LINE OUTPUT JACK J6
R30 4.7K
R30b 4.7K
TR5
TR5b
19.2V
13.2V
R29 100K
R29b 100K
C25 0.47(M)
C25b 0.47(M)
R27 36K
C19 10/16
C19b 10/16
R27b 36K
13.8V
R38 2.7K
R38b 2.7K
C24 10/16
C24b 10/16
R37b 4.7K
YLW
RED
WHT
RED/BLK
TO REC. SW. SW6
C10 100/16
R14 10K
R37 4.7K
R36 5.6K
R28 1K
R36b 5.6K
R14b 10K
C10b 100/25
BLK
TO DIN. CONNECTOR J3
TO MUTE SW. SW9b
C17 47/10
19.2V
R17 1K
R19 3.3K
C16 10/16
R28b 1K
C16b 10/16
R19b 3.3K
R17b 1K
R18b 82K
C11b 4.7/25
ORG/WHT
C11 4.7/25
R18 82K
C18 200P
TR4
R22 680
C15 22P
R23 680
C18b 200P
TR4b
C17b 47/10
C15b 22P
SKY/BLK
TO LINE OUTPUT JACK J8
TR4,5,8 2SC711(E)(F)(G)
SKY/WHT
11.4V
R21 100K
R20 5.6K
SW1
ORG
R21b 100K
Y-GRN/BLK
R22b 680
R23b 680
R20b 5.6K
TO DOLBY N.R. P.C. BOARD CH-5316
Y-GRN/WHT
C13 200P
0.9V
TR3
3.8V
L1 33mH(J)
1.5V
C14 47/10
L1b 33mH(J)
TR3b
C14b 47/10
YLW/WHT
YLW/BLK
R16 220
R24 27K
R25 33K
R25b 33K
R24b 27K
R16b 220
C13b 200P
C12 10/16
C12b 10/16
TR3 2SC1312R(G)(H)
R15 15K
R15b 15K
TO REC. LEVEL VOLUME VR1
VR1 1KB
VR1b 1KB
TO TAPE SELECTOR SW. SW2
TO REC. LEVEL VOLUME VR1
TO TAPE SELECTOR SW. SW2
R13 120K
C9 0.018
R10 22K
R10b 22K
C9b 0.018
R13b 120K
R12 9.1K
C8 0.0022
R11 5.1K
R1 4.7K
R1b 4.7K
R11b 5.1K
C8b 0.0022
R12b 9.1K
FROM MIC. JACK J1, J4
C5 10/16
C6 47/10
R7 1.2K
R7b 1.2K
C6b 47/10
C5b 10/16
R5 22K
C2 470P
C1 10/16
C1b 10/16
C2b 470P
R5b 22K
R4 270K
R3 150K
TR1
R3b 150K
TR1b
R4b 270K
0.9V
0.4V
R9 2.7K
R9b 2.7K
R6 10K
R8 4.7K
R8b 4.7K
R6b 10K
C4 90P
C3 330P
C3b 330P
C4b 90P
TR1,2 2SC1312S(G)(H)
C7 10/16
R2 15K
R2b 15K
C7b 10/16
6.7V
3.3V
2.7V
TR2
TR2b
SW1b
REC.
P.B.
WHT
BLU
TO REC./P.B. HEAD

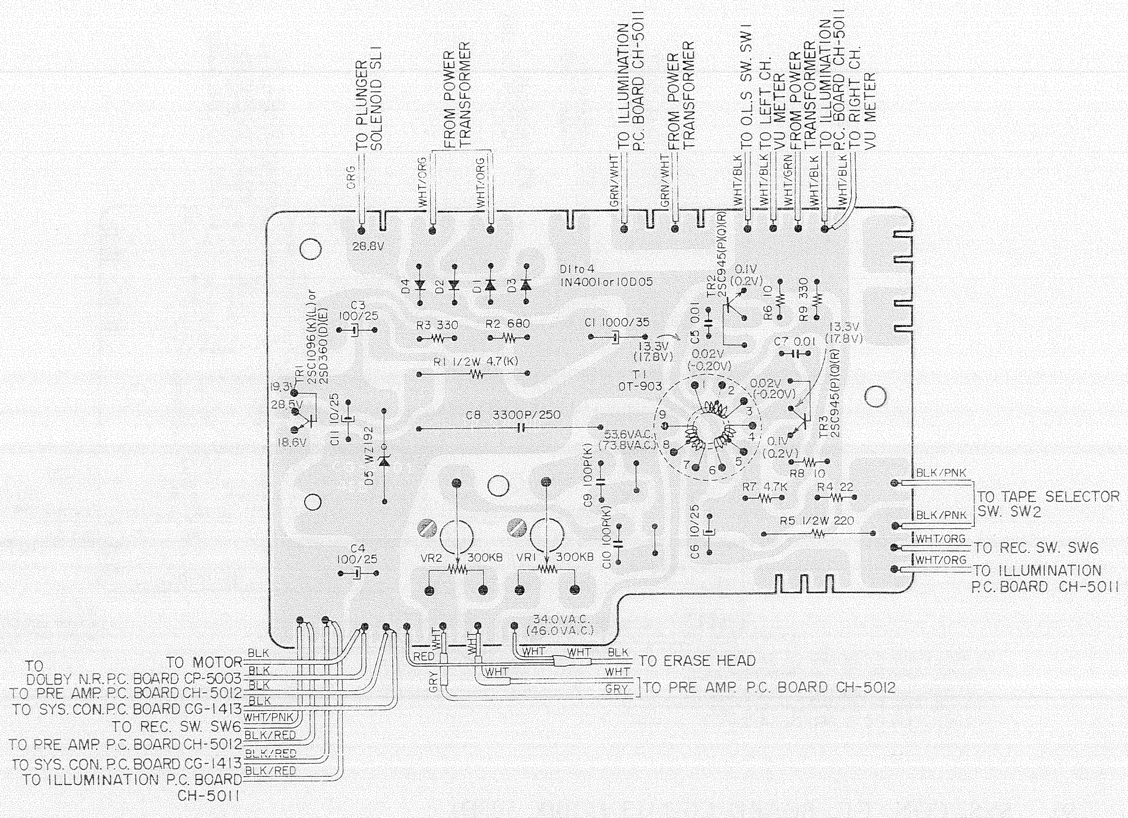
4) PRE AMP. P.C. BOARD CH-5012 (500D)


TO TAPE SELECTOR SW. SW2
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO HEAD PHONE JACK J7
TO LEFT CH. VU METER M1
TO TAPE SELECTOR SW. SW2
TO HEAD PHONE JACK J7
TO RIGHT CH. VU METER M2
BLK
BLK/WHT
VLT
BLU
GRN
YLW
T1 N16-535S
T1b N16-535S
P.
L5 33mH(J)
L5b 33mH(J)
C28 200P
C29 200P
C28b 200P
C29b 200P
C23 47/25
C23b 47/25
R32 430
R32b 430
C22 10/16
C22b 10/16
D1 1N34A
D1b 1N34A
C20 10/16
C20b 10/16
R45 2.7K
R45b 2.7K
C30 0.033
C30b 0.033
C27 4.7/25
C27b 4.7/25
C31 10/16
C31b 10/16
L3 3.3mH(J)
L3b 3.3mH(J)
R43 10
R43b 10
R40 15K
R40b 15K
R41 100K
R41b 100K
R44 1K
R44b 1K
R42 6.8K
R42b 6.8K
R39 220
R39b 220
0.6V
10.6V
1.2V
TR8
TR8b
BRN/BLK
BRN/WHT
GRY
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO TAPE SELECTOR SW. SW2
VR2 20KB
VR2b 20KB
TO DIN CONNECTOR J3
RED/WHT
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
R30 4.7K
R30b 4.7K
TR5
TR5b
R29 100K
R29b 100K
13.5V
C25 0.47(M)
C25b 0.47(M)
C19 10/16
C19b 10/16
R27 36K
R27b 36K
14.1V
R38 2.7K
R38b 2.7K
C24 10/16
C24b 10/16
R37 4.7K
R37b 4.7K
RED/BLK
TO REC. SW. SW6
C10 100/16
C10b 100/25
R14 10K
R14b 10K
R36 5.6K
R36b 5.6K
R28 1K
R28b 1K
TO MUTE SW. SW9
TO LINE OUTPUT JACK J6
TO MUTE SW. SW9
C17 47/10
C17b 47/10
19.6V
R17 1K
R17b 1K
R19 3.3K
R19b 3.3K
C16 10/16
C16b 10/16
R18 82K
R18b 8.2K
C11 4.7/25
C11b 4.7/25
C18 200P
C18b 200P
TO LINE OUTPUT JACK J8
3.2V
11.6V
R22 680
R22b 680
TR4
TR4b
R23 680
R23b 680
C15 22P
C15b 22P
TR4,5,8 2SC711(E)(F)(G)
TR3 2SC1312R(G)(H)
TR1,2 2SC1312S(G)(H)
R20 5.6K
R20b 5.6K
R21 100K
R21b 100K
C13 200P
C13b 200P
1.0V
3.9V
1.5V
C14 47/10
C14b 47/10
TR3
TR3b
L1 33mH(J)
L1b 33mH(J)
R24 27K
R24b 27K
R25 33K
R25b 33K
R16 220
R16b 220
C12 10/16
C12b 10/16
R15 15K
R15b 15K
SW1
SW1b
1-1
1-2
1-3
1-4
1-5
1-6
1-7
1-8
1-9
1-1b
1-2b
1-3b
1-4b
1-5b
1-6b
1-7b
1-8b
1-9b
ORG
RED
WHT
TO REC. VOLUME VR1
VR1 1KB
VR1b 1KB
TO TAPE SELECTOR SW. SW2
TO REC. VOLUME VR1
TO TAPE SELECTOR SW. SW2
R13 120K
R13b 120K
C9 0.018
C9b 0.018
R10 22K
R10b 22K
R12 9.1K
R12b 9.1K
C8 0.0022
C8b 0.0022
R11 5.1K
R11b 5.1K
R1 4.7K
R1b 4.7K
FROM MIC. JACK J1, J4
C5 10/16
C5b 10/16
C6 47/10
C6b 47/10
R7 1.2K
R7b 1.2K
R5 22K
R5b 22K
C2 470P
C2b 470P
C1 10/16
C1b 10/16
R4 270K
R4b 270K
0.9V
TR1
TR1b
R3 150K
R3b 150K
0.4V
R9 2.7K
R9b 2.7K
R6 10K
R6b 10K
R8 4.7K
R8b 4.7K
C4 90P
C4b 90P
C3 330P
C3b 330P
C7 10/16
C7b 10/16
7.0V
3.3V
2.7V
R2 15K
R2b 15K
TR2
TR2b
REC.
P.B.
TO REC./P.B. HEAD

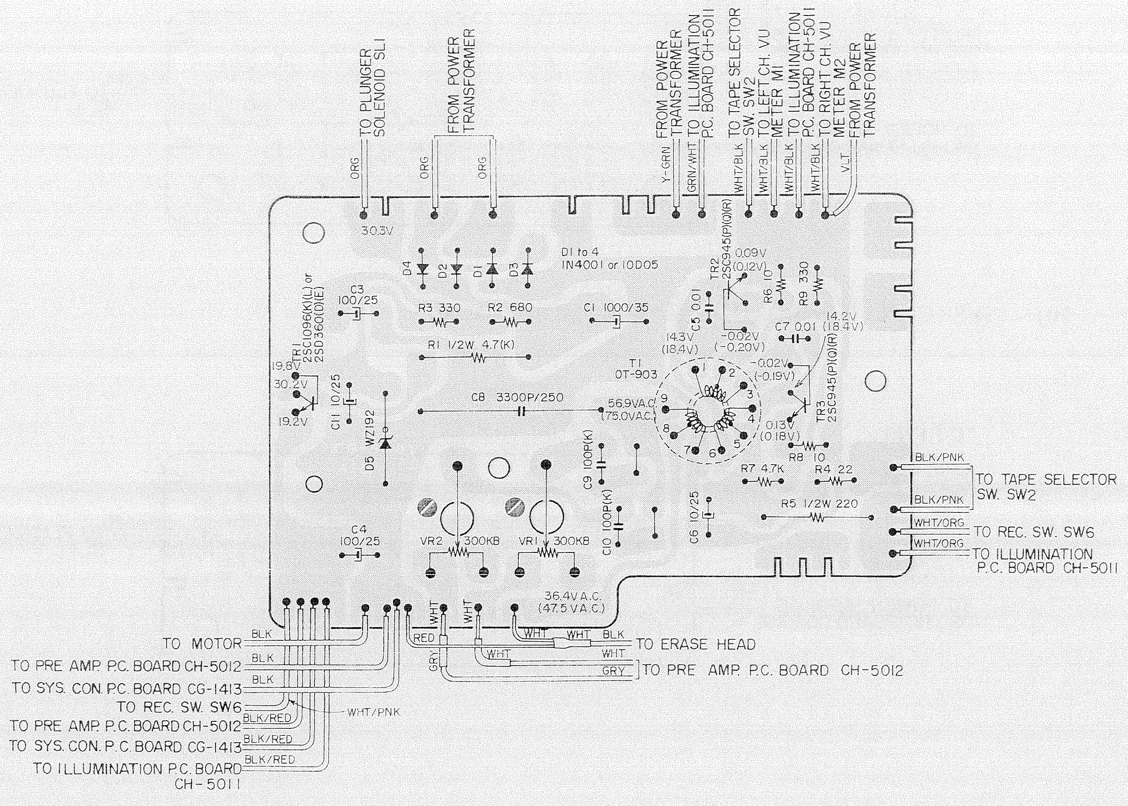
5) PRE AMP. P.C. BOARD CH-5012 (500)


TO TAPE SELECTOR SW. SW2
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
TO TAPE SELECTOR SW. SW2
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK
TO HEAD PHONE JACK J7
TO LEFT CH. VU METER M1
GRN
BLU
VLT
SKY
TO HEAD PHONE JACK J7
TO RIGHT CH. VU METER M2
WHT/BRN
WHT
BRN
T1 N16-535S
T1b N16-535S
P
L5 33mH(J)
L5b 33mH(J)
C28 200P
C29 200P
C23 47/25
C28b 200P
C29b 200P
C23b 47/25
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
GRY
PNK
TO TAPE SELECTOR SW. SW2
R32 430
C22 10/16
C22b 10/16
R32b 430
D1 1N34A
D1b 1N34A
C20 10/16
C20b 10/16
ORG
R45 2.7K
R45b 2.7K
C30 0.033
C30b 0.033
C31 10/16
C31b 10/16
C27 4.7/25
C27b 4.7/25
L3 3.3mH(J)
L3b 3.3mH(J)
R40 15K
R40b 15K
R43 10
R43b 10
R44 1K
R44b 1K
R41 100K
R41b 100K
R42 6.8K
R42b 6.8K
R39 220
R39b 220
0.6V
9.7V
1.2V
TR8
TR8b
VR2 20KB
VR2b 20KB
YLW
TO MUTE SW. SW3
TO LINE OUTPUT JACK J6
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
19.2V
R30 4.7K
R30b 4.7K
TR5
TR5b
R29 100K
R29b 100K
13.3V
C25 0.47(M)
C25b 0.47(M)
C19 10/16
C19b 10/16
R27 36K
R27b 36K
13.9V
R38 2.7K
R38b 2.7K
R37b 4.7K
C24 10/16
C24b 10/16
RED
BLK/RED
PNK/WHT
TO REC. SW. SW6
C10 100/16
R14 10K
R37 4.7K
R28 1K
R46 15K
R36b 5.6K
R14b 10K
C10b 100/25
15.1V
C17 47/10
19.2V
R17 1K
R19 3.3K
C16 10/16
R28b 1K
R46b 15K
R19b 3.3K
R18b 82K
R17b 1K
C11b 4.7/25
TO LINE OUTPUT JACK J8
C11 4.7/25
R18 82K
C18 200P
C18b 200P
3.2V
R22 680
TR4
TR4b
C15 22P
C15b 22P
C17b 47/10
R23 680
TO MUTE SW. SW3
TO POWER AMP. P.C. BOARD CG-5403
11.5V
R20 5.6K
R21 100K
R21b 100K
R22b 680
R23b 680
SW1
SW1b
1-9
1-9b
1-8
1-8b
1-7
1-7b
1-6
1-6b
1-5
1-5b
1-4
1-4b
1-3
1-3b
1-2
1-2b
1-1
1-1b
C13 200P
1.0V
3.9V
TR3
TR3b
L1 33mH(J)
L1b 33mH(J)
R20b 5.6K
1.6V
C14 47/10
C14b 47/10
C13b 200P
TO DIN. CONNECTOR J3
TR4,5,8 2SC711(E)(F)(G)
TR3 2SC1312R(G)(H)
R16 220
R16b 220
R24 27K
R25 33K
R24b 27K
R25b 33K
C12 10/16
C12b 10/16
TO REC. LEVEL VOLUME VR1b 50K(A)
R15 15K
R15b 15K
VR1 1KB
VR1b 1KB
TO TAPE SELECTOR SW. SW2
R13 120K
C9 0.018
R13b 120K
C9b 0.018
R10 22K
R10b 22K
TO REC. LEVEL VOLUME VR1 50K(A)
TO TAPE SELECTOR SW. SW2
R12 9.1K
C8 0.0022
R11 5.1K
R11b 5.1K
C8b 0.0022
R12b 9.1K
R1 4.7K
R1b 4.7K
FROM MIC. JACK J1, J4
C5 10/16
C6 47/10
R7 1.2K
C6b 47/10
R7b 1.2K
C5b 10/16
R5 22K
C2 470P
C1 10/16
C1b 10/16
C2b 470P
R5b 22K
R4 270K
TR1
TR1b
0.9V
R3 150K
R3b 150K
R4b 270K
0.4V
R9 2.7K
R9b 2.7K
R6 10K
R6b 10K
R8 4.7K
R8b 4.7K
C4 90P
C4b 90P
C3 330P
C3b 330P
TR1,2 2SC1312S(G)(H)
C7 10/16
C7b 10/16
6.8V
3.3V
2.7V
R2 15K
R2b 15K
TR2
TR2b
REC.
PB
TO REC./P.B. HEAD

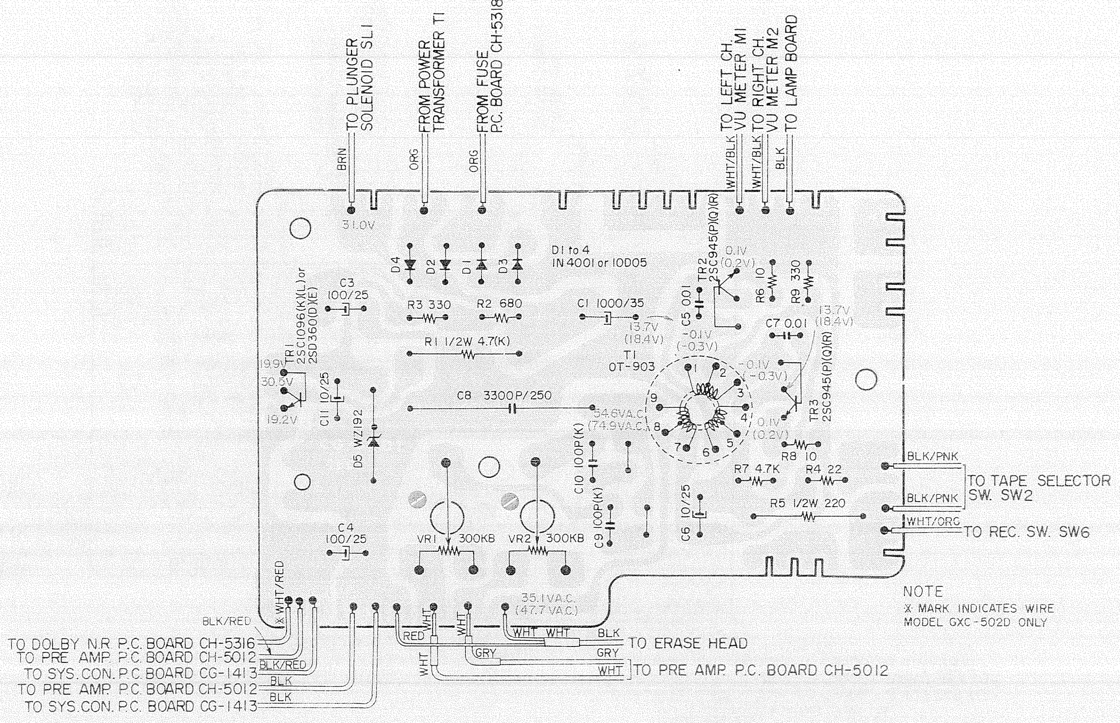
6) OSC. & POWER SUPPLY P.C. BOARD CG-5401 (510D)


TO PLUNGER SOLENOID SL1
FROM POWER TRANSFORMER
TO ILLUMINATION P.C. BOARD CH-5011
FROM POWER TRANSFORMER
TO O.L.S SW. SW1
TO LEFT CH. VU METER
FROM POWER TRANSFORMER
TO ILLUMINATION P.C. BOARD CH-5011
TO RIGHT CH. VU METER
ORG
WHT/ORG
WHT/ORG
GRN/WHT
GRN/WHT
WHT/BLK
WHT/BLK
WHT/GRN
WHT/BLK
WHT/BLK
28.8V
D4 D2 D1 D3
D1 to 4 1N4001 or 10D05
TR2 2SC945(P)(Q)(R)
0.1V (0.2V)
R6 10
R9 330
C3 100/25
TR1 2SC1096(K)(L) or 2SD360(D)(E)
R3 330
R2 680
C1 1000/35
C5 0.01
C7 0.01
13.3V (17.8V)
13.3V (17.8V)
0.02V (-0.20V)
R1 1/2W 4.7(K)
T1 OT-903
0.02V (-0.20V)
19.3V
28.6V
18.6V
C11 10/25
C8 3300P/250
53.6VA.C. (73.8VA.C.)
TR3 2SC945(P)(Q)(R)
0.1V (0.2V)
D5 WZ192
C9 100P(K)
R8 10
R7 4.7K
R4 22
C10 100P(K)
C6 10/25
R5 1/2W 220
C4 100/25
VR2 300KB
VR1 300KB
34.0VA.C. (46.0VA.C.)
BLK/PNK
BLK/PNK
TO TAPE SELECTOR SW. SW2
WHT/ORG
TO REC. SW. SW6
WHT/ORG
TO ILLUMINATION P.C. BOARD CH-5011
TO MOTOR
BLK
TO DOLBY N.R. P.C. BOARD CP-5003
BLK
TO PRE AMP. P.C. BOARD CH-5012
BLK
TO SYS. CON. P.C. BOARD CG-1413
BLK
TO REC. SW. SW6
WHT/PNK
TO PRE AMP. P.C. BOARD CH-5012
BLK/RED
TO SYS. CON. P.C. BOARD CG-1413
BLK/RED
TO ILLUMINATION P.C. BOARD CH-5011
BLK/RED
RED
GRY
WHT
WHT
WHT
WHT
BLK
WHT
TO ERASE HEAD
GRY
TO PRE AMP. P.C. BOARD CH-5012

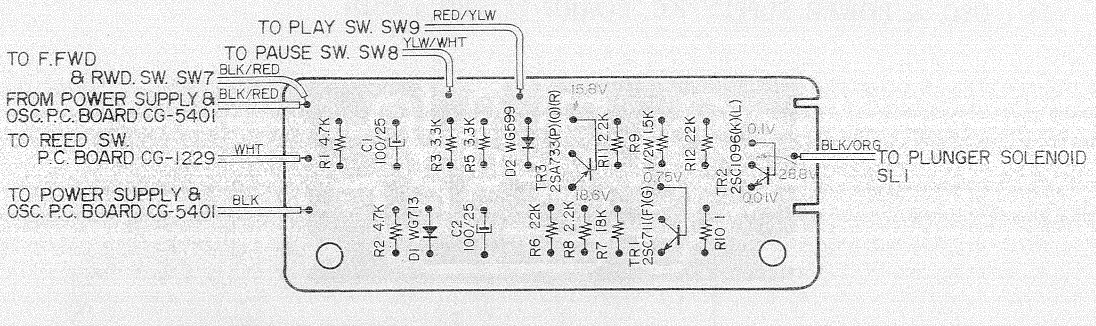
7) OSC. & POWER SUPPLY P.C. BOARD CG-5401 (505D)


TO PLUNGER SOLENOID SL1
FROM POWER TRANSFORMER
FROM POWER TRANSFORMER
TO ILLUMINATION P.C. BOARD CH-5011
TO TAPE SELECTOR SW. SW2
TO LEFT CH. VU METER M1
TO ILLUMINATION P.C. BOARD CH-5011
TO RIGHT CH. VU METER M2
FROM POWER TRANSFORMER
ORG
ORG
ORG
Y-GRN
GRN/WHT
WHT/BLK
WHT/BLK
WHT/BLK
WHT/BLK
V.T
30.3V
D4 D2 D1 D3
D1 to 4 1N4001 or 10D05
TR2 2SC945(P)(Q)(R)
0.09V (0.12V)
R6 10
R9 330
C3 100/25
TR1 2SC1096(K)(L) or 2SD360(D)(E)
R3 330
R2 680
C1 1000/35
C5 0.01
C7 0.01
14.2V (18.4V)
14.3V (18.4V)
-0.02V (-0.20V)
R1 1/2W 4.7(K)
T1 OT-903
-0.02V (-0.19V)
19.8V
30.2V
19.2V
C11 10/25
C8 3300P/250
56.9VA.C. (75.0VA.C.)
TR3 2SC945(P)(Q)(R)
0.13V (0.18V)
D5 WZ192
C9 100P(K)
R8 10
R7 4.7K
R4 22
C10 100P(K)
C6 10/25
R5 1/2W 220
C4 100/25
VR2 300KB
VR1 300KB
36.4VA.C. (47.5VA.C.)
BLK/PNK
BLK/PNK
TO TAPE SELECTOR SW. SW2
WHT/ORG
TO REC. SW. SW6
WHT/ORG
TO ILLUMINATION P.C. BOARD CH-5011
TO MOTOR
BLK
TO PRE AMP. P.C. BOARD CH-5012
BLK
TO SYS. CON. P.C. BOARD CG-1413
BLK
TO REC. SW. SW6
WHT/PNK
TO PRE AMP. P.C. BOARD CH-5012
BLK/RED
TO SYS. CON. P.C. BOARD CG-1413
BLK/RED
TO ILLUMINATION P.C. BOARD CH-5011
BLK/RED
RED
GRY
WHT
WHT
WHT
WHT
BLK
WHT
TO ERASE HEAD
GRY
TO PRE AMP. P.C. BOARD CH-5012

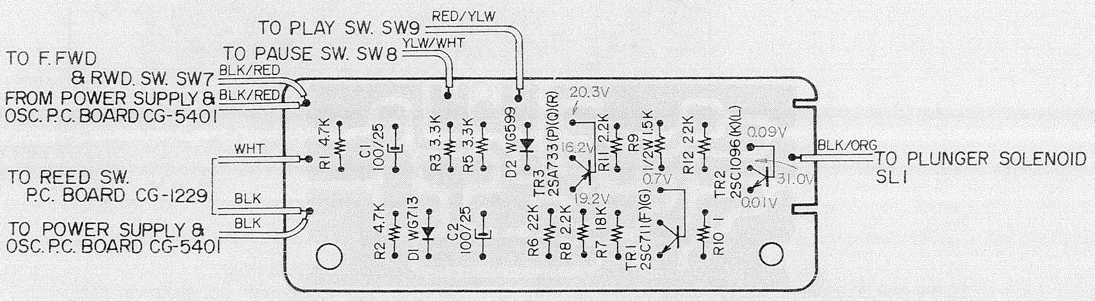
8) OSC. & POWER SUPPLY P.C. BOARD CG-5401 (502D, 500/D)


TO PLUNGER SOLENOID SL1
FROM POWER TRANSFORMER T1
FROM FUSE P.C. BOARD CH-5318
TO LEFT CH. VU METER M1
TO RIGHT CH. VU METER M2
TO LAMP BOARD
BRN
ORG
ORG
WHT/BLK
WHT/BLK
BLK
31.0V
D4 D2 D1 D3
D1 to 4 1N4001 or 10D05
C3 100/25
R3 330
R2 680
C1 1000/35
TR1 2SC1096(K)(L) or 2SD360(D)(E)
R1 1/2W 4.7(K)
TR2 2SC945(P)(Q)(R)
0.1V (0.2V)
R6 10
R9 330
C5 0.01
13.7V (18.4V)
-0.1V (-0.3V)
C7 0.01
13.7V (18.4V)
T1 0T-903
19.9V
30.5V
19.2V
C11 10/25
D5 WZ192
C8 3300P/250
54.6V A.C. (74.9V A.C.)
-0.1V (-0.3V)
TR3 2SC945(P)(Q)(R)
0.1V (0.2V)
R8 10
C10 100P(K)
C9 1C0P(K)
C6 10/25
R7 4.7K
R4 22
R5 1/2W 220
BLK/PNK
BLK/PNK
WHT/ORG
TO TAPE SELECTOR SW. SW2
TO REC. SW. SW6
C4 100/25
VR1 300KB
VR2 300KB
35.1V A.C. (47.7 V A.C.)
x WHT/RED
BLK/RED
TO DOLBY N.R P.C. BOARD CH-5316
TO PRE AMP. P.C. BOARD CH-5012
TO SYS. CON. P.C. BOARD CG-1413
TO PRE AMP. P.C. BOARD CH-5012
TO SYS. CON. P.C. BOARD CG-1413
BLK/RED
BLK
BLK
RED
WHT
WHT
WHT
WHT WHT
BLK
GRY
GRY
WHT
TO ERASE HEAD
TO PRE AMP. P.C. BOARD CH-5012
NOTE
x MARK INDICATES WIRE MODEL GXC-502D ONLY

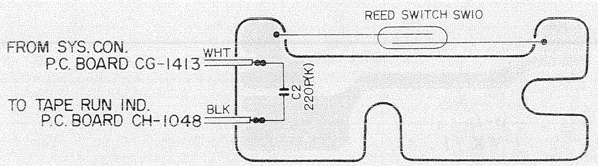
9) SYS. CON. P.C. BOARD CG-1413 (510D, 505D)


TO PLAY SW. SW9
RED/YLW
TO PAUSE SW. SW8
YLW/WHT
TO F.FWD & RWD. SW. SW7
BLK/RED
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK/RED
TO REED SW. P.C. BOARD CG-1229
WHT
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK
R1 4.7K
C1 100/25
R3 3.3K
R5 3.3K
D2 WG599
TR3 2SA733(P)(Q)(R)
15.8V
R11 2.2K
R9 1/2W 1.5K
R12 22K
TR2 2SC1096(K)(L)
0.1V
28.8V
0.01V
0.75V
18.6V
BLK/ORG
TO PLUNGER SOLENOID SL1
R2 4.7K
D1 WG713
C2 100/25
R6 22K
R8 2.2K
R7 18K
TR1 2SC711(F)(G)
R10 1

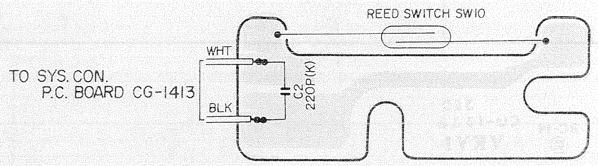
10) SYS. CON. P.C. BOARD CG-1413 (502D, 500/D)


TO PLAY SW. SW9
RED/YLW
TO PAUSE SW. SW8
YLW/WHT
TO F.FWD & RWD. SW. SW7
BLK/RED
FROM POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK/RED
WHT
TO REED SW. P.C. BOARD CG-1229
BLK
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK
R1 4.7K
C1 100/25
R3 3.3K
R5 3.3K
D2 WG599
TR3 2SA733(P)(Q)(R)
20.3V
16.2V
R11 2.2K
R9 1/2W 1.5K
R12 22K
TR2 2SC1096(K)(L)
0.09V
31.0V
0.01V
0.7V
19.2V
BLK/ORG
TO PLUNGER SOLENOID SL1
R2 4.7K
D1 WG713
C2 100/25
R6 22K
R8 2.2K
R7 18K
TR1 2SC711(F)(G)
R10 1

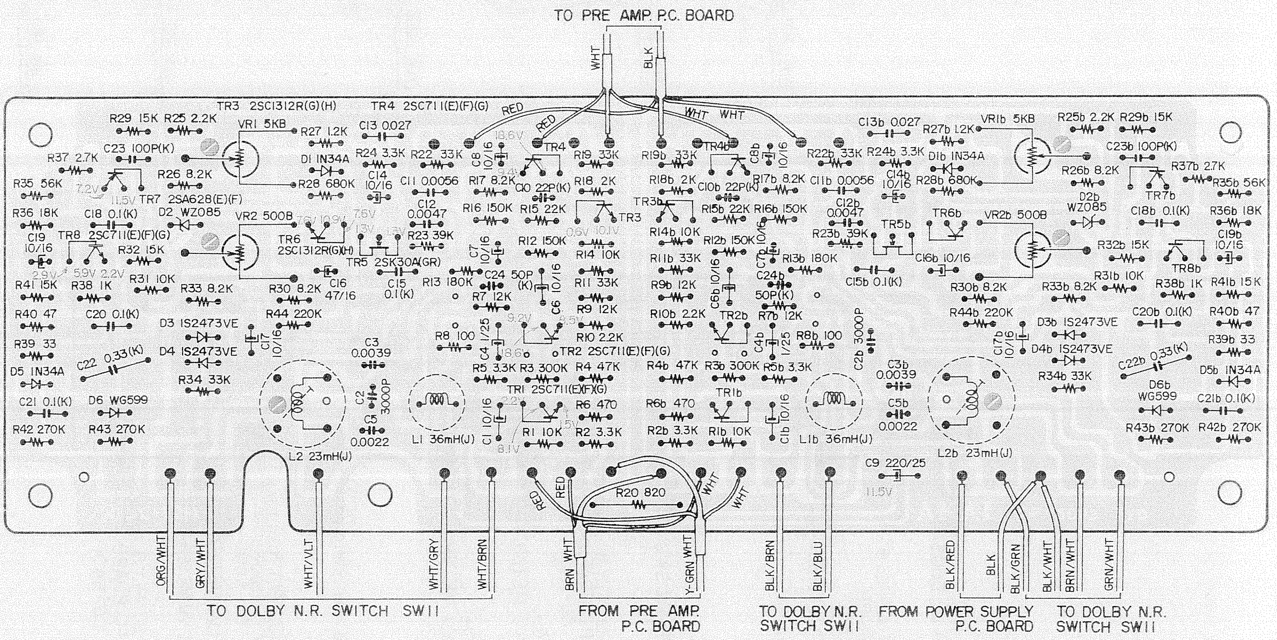
11) REED SWITCH P.C. BOARD CG-1229 (510D, 505D)


REED SWITCH SW10
FROM SYS. CON. P.C. BOARD CG-1413
WHT
TO TAPE RUN IND. P.C. BOARD CH-1048
BLK
C2 220P(K)

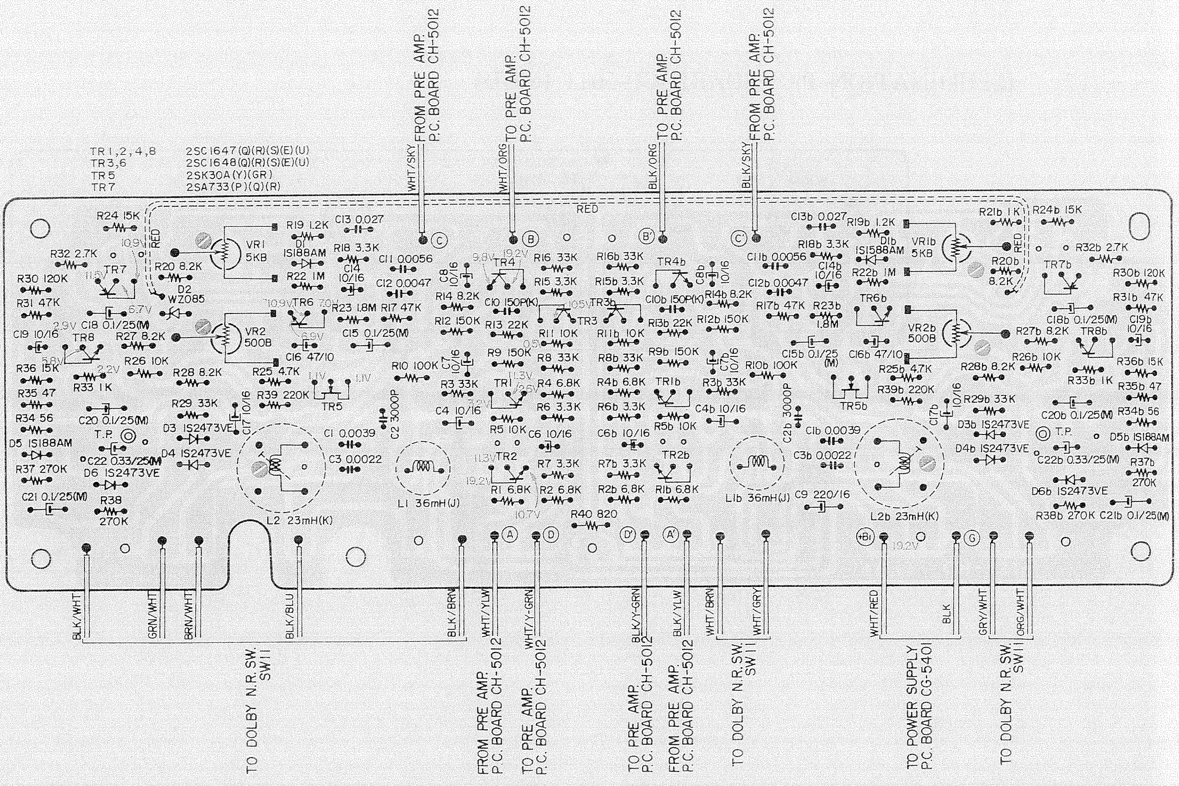
12) REED SWITCH P.C. BOARD CG-1229 (502D, 500/D)


REED SWITCH SW10
TO SYS. CON. P.C. BOARD CG-1413
WHT
BLK
C2 220P(K)

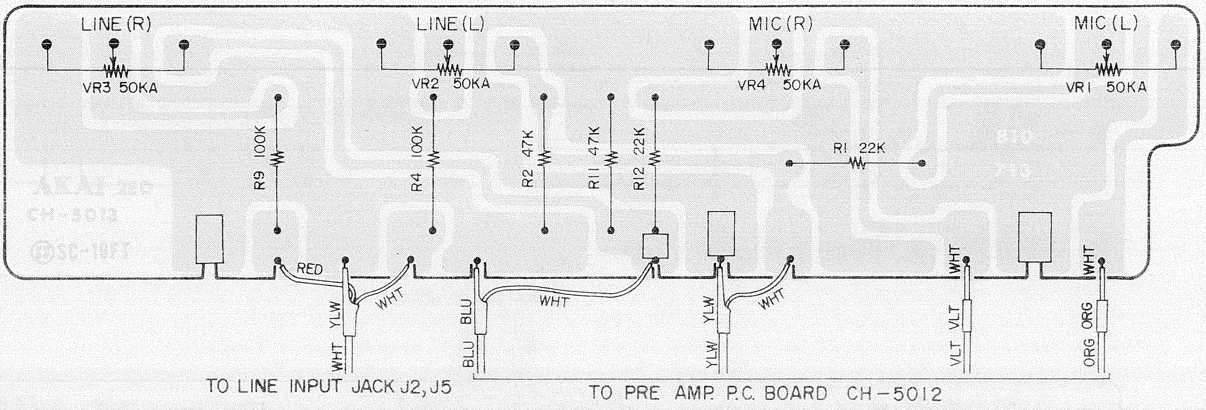
13) DOLBY P.C. BOARD CP-5003 (510D)


TO PRE AMP. P.C. BOARD
WHT
BLK
TR3 2SC1312R(G)(H)
TR4 2SC711(E)(F)(G)
TR7 2SA628(E)(F)
TR8 2SC711(E)(F)(G)
TR6 2SC1312R(G)(H)
TR5 2SK30A(GR)
TR1 2SC711(E)(F)(G)
TR2 2SC711(E)(F)(G)
VR1 5KB
VR2 500B
VR1b 5KB
VR2b 500B
L2 23mH(J)
L1 36mH(J)
L1b 36mH(J)
L2b 23mH(J)
R20 820
C9 220/25
ORG/WHT
GRY/WHT
WHT/VLT
WHT/GRY
WHT/BRN
RED
BRN WHT
Y-GRN WHT
BLK/BRN
BLK/BLU
BLK/RED
BLK
BLK/GRN
BLK/WHT
BRN/WHT
GRN/WHT
TO DOLBY N.R. SWITCH SW11
FROM PRE AMP. P.C. BOARD
TO DOLBY N.R. SWITCH SW11
FROM POWER SUPPLY P.C. BOARD
TO DOLBY N.R. SWITCH SW11

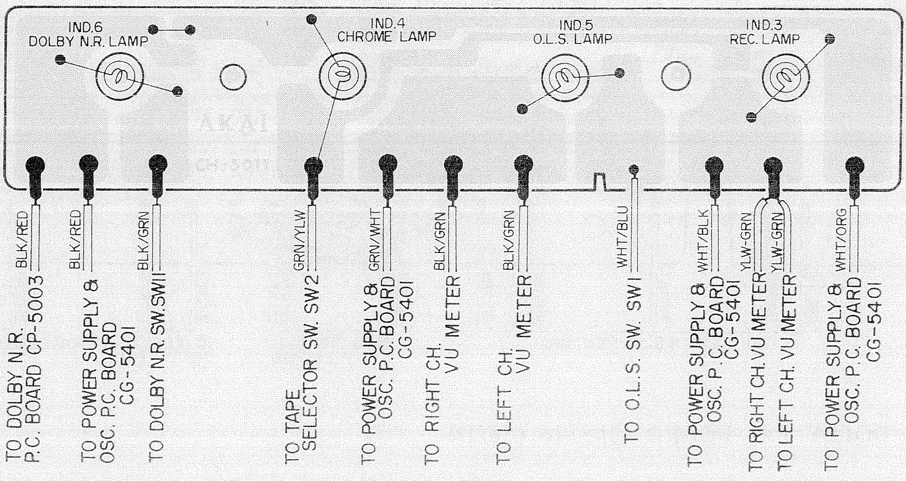
14) DOLBY P.C. BOARD CH-5316 (502D)


TR1,2,4,8 2SC1647(Q)(R)(S)(E)(U)
TR3,6 2SC1648(Q)(R)(S)(E)(U)
TR5 2SK30A(Y)(GR)
TR7 2SA733(P)(Q)(R)
FROM PRE AMP. P.C. BOARD CH-5012
TO PRE AMP. P.C. BOARD CH-5012
TO PRE AMP. P.C. BOARD CH-5012
FROM PRE AMP. P.C. BOARD CH-5012
WHT/SKY
WHT/ORG
BLK/ORG
BLK/SKY
RED
VR1 5KB
VR2 500B
VR1b 5KB
VR2b 500B
L2 23mH(K)
L1 36mH(J)
L1b 36mH(J)
L2b 23mH(K)
R40 820
C9 220/16
BLK/WHT
GRN/WHT
BRN/WHT
BLK/BLU
BLK/BRN
WHT/YLW
WHT/Y-GRN
BLK/Y-GRN
BLK/YLW
WHT/BRN
WHT/GRY
WHT/RED
BLK
GRY/WHT
ORG/WHT
TO DOLBY N.R. SW. SW11
FROM PRE AMP. P.C. BOARD CH-5012
TO PRE AMP. P.C. BOARD CH-5012
TO PRE AMP. P.C. BOARD CH-5012
FROM PRE AMP. P.C. BOARD CH-5012
TO DOLBY N.R. SW. SW11
TO POWER SUPPLY P.C. BOARD CG-5401
TO DOLBY N.R. SW. SW11

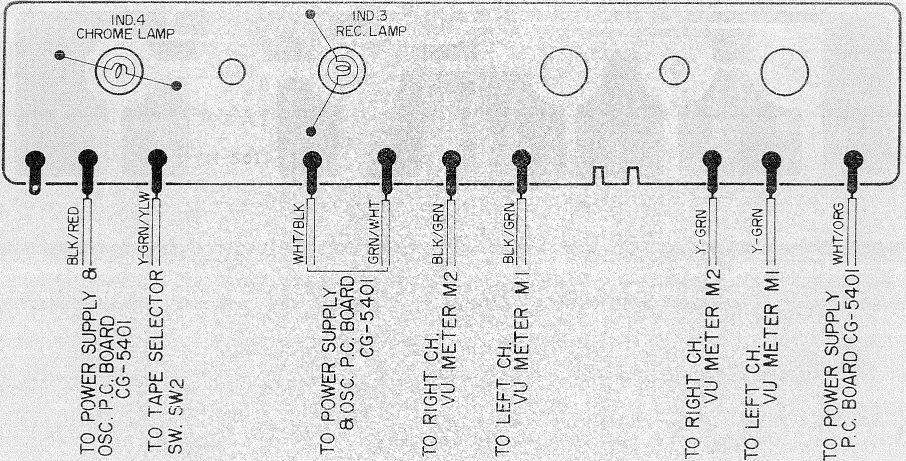
15) VOLUME CONTROL P.C. BOARD CH-5013 (510D)


LINE (R)
VR3 50KA
LINE (L)
VR2 50KA
MIC (R)
VR4 50KA
MIC (L)
VR1 50KA
R9 100K
R4 100K
R2 47K
R11 47K
R12 22K
R1 22K
AKAI
CH-5013
RED
WHT
YLW
WHT
BLU
BLU
WHT
YLW
WHT
YLW
WHT
VLT
VLT
WHT
ORG
ORG
TO LINE INPUT JACK J2, J5
TO PRE AMP. P.C. BOARD CH-5012

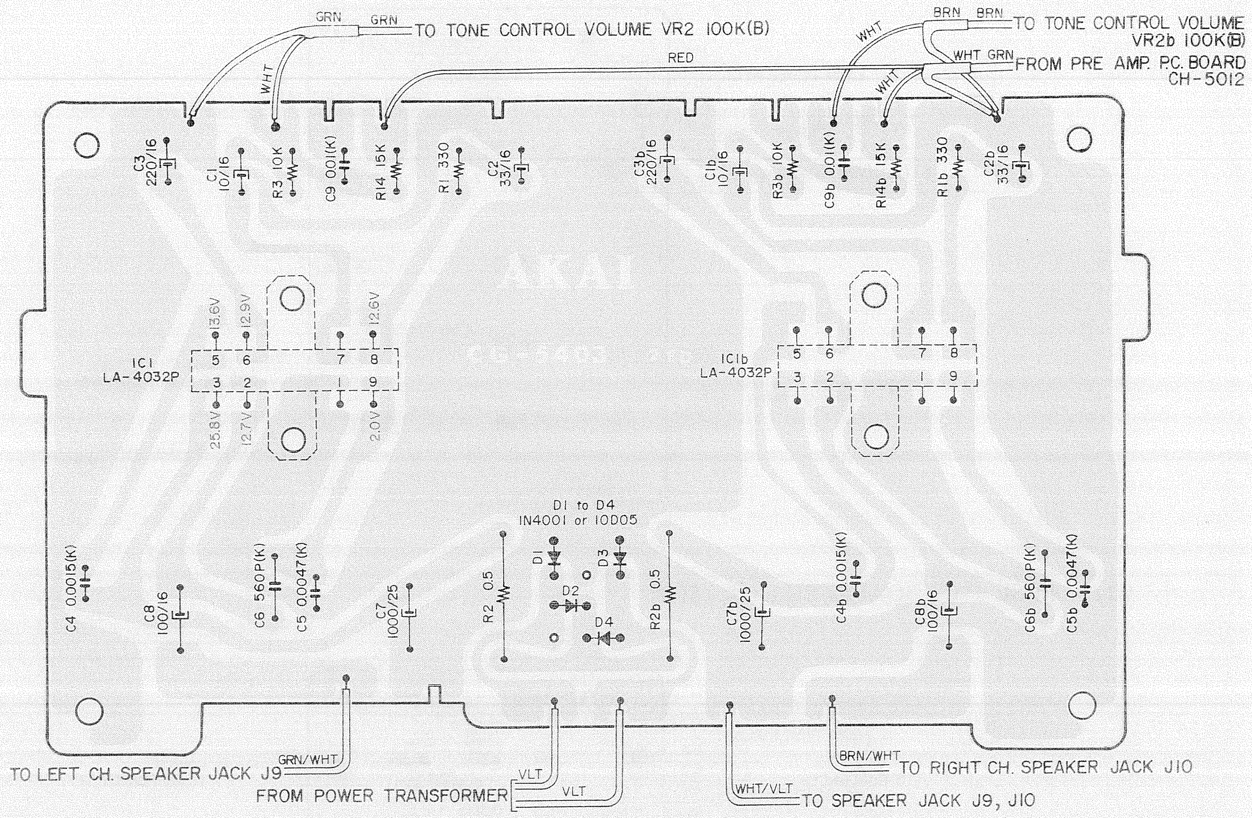
16) ILLUMINATION P.C. BOARD CH-5011 (510D)


IND.6
DOLBY N.R. LAMP
IND.4
CHROME LAMP
IND.5
O.L.S. LAMP
IND.3
REC. LAMP
AKAI
CH-5011
BLK/RED
TO DOLBY N.R. P.C. BOARD CP-5003
BLK/RED
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK/GRN
TO DOLBY N.R. SW. SW11
GRN/YLW
TO TAPE SELECTOR SW. SW2
GRN/WHT
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK/GRN
TO RIGHT CH. VU METER
BLK/GRN
TO LEFT CH. VU METER
WHT/BLU
TO O.L.S. SW. SW1
WHT/BLK
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
YLW-GRN
TO RIGHT CH. VU METER
YLW-GRN
TO LEFT CH. VU METER
WHT/ORG
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401

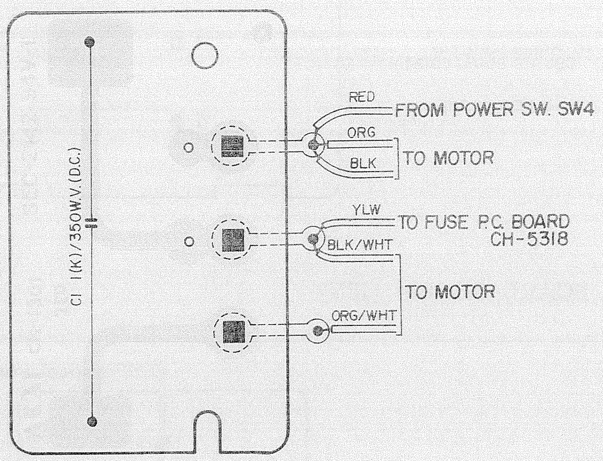
17) ILLUMINATION P.C. BOARD CH-5011 (505D)


IND.4
CHROME LAMP
IND.3
REC. LAMP
AKAI
CH-5011
BLK/RED
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
Y-GRN/YLW
TO TAPE SELECTOR SW. SW2
WHT/BLK
GRN/WHT
TO POWER SUPPLY & OSC. P.C. BOARD CG-5401
BLK/GRN
TO RIGHT CH. VU METER M2
BLK/GRN
TO LEFT CH. VU METER M1
Y-GRN
TO RIGHT CH. VU METER M2
Y-GRN
TO LEFT CH. VU METER M1
WHT/ORG
TO POWER SUPPLY P.C. BOARD CG-5401

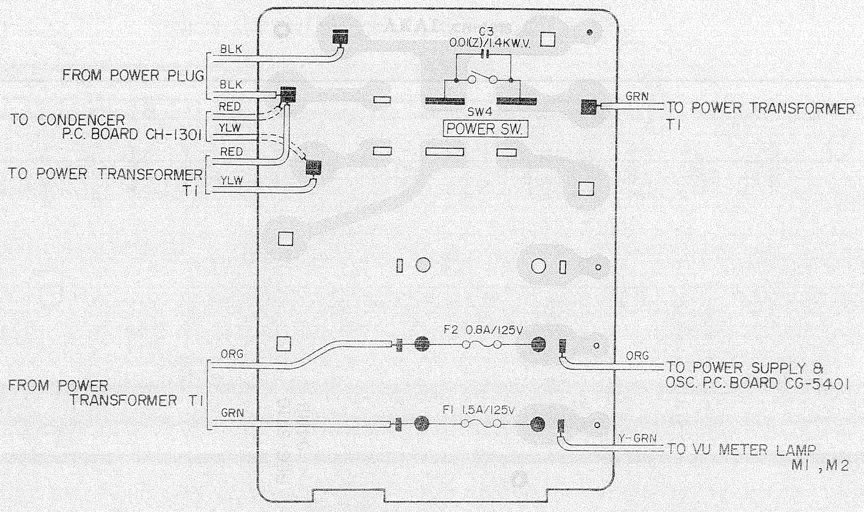
18) POWER AMP. P.C. BOARD CG-5403 (500)


GRN
GRN
TO TONE CONTROL VOLUME VR2 100K(B)
WHT
RED
WHT
BRN
BRN
TO TONE CONTROL VOLUME VR2b 100K(B)
WHT
GRN
FROM PRE AMP. P.C. BOARD CH-5012
WHT
C3 220/16
C1 10/16
R3 10K
C9 0.01(K)
R14 15K
R1 330
C2 33/16
C3b 220/16
C1b 10/16
R3b 10K
C9b 0.01(K)
R14b 15K
R1b 330
C2b 33/16
AKAI
CG-5403
IC1 LA-4032P
13.6V
12.9V
12.6V
25.8V
12.7V
2.0V
IC1b LA-4032P
D1 to D4 IN4001 or 10D05
D1
D2
D3
D4
C4 0.0015(K)
C8 100/16
C6 560P(K)
C5 0.0047(K)
C7 1000/25
R2 0.5
R2b 0.5
C7b 1000/25
C4b 0.0015(K)
C8b 100/16
C6b 560P(K)
C5b 0.0047(K)
TO LEFT CH. SPEAKER JACK J9
GRN/WHT
FROM POWER TRANSFORMER
VLT
VLT
WHT/VLT
TO SPEAKER JACK J9, J10
BRN/WHT
TO RIGHT CH. SPEAKER JACK J10

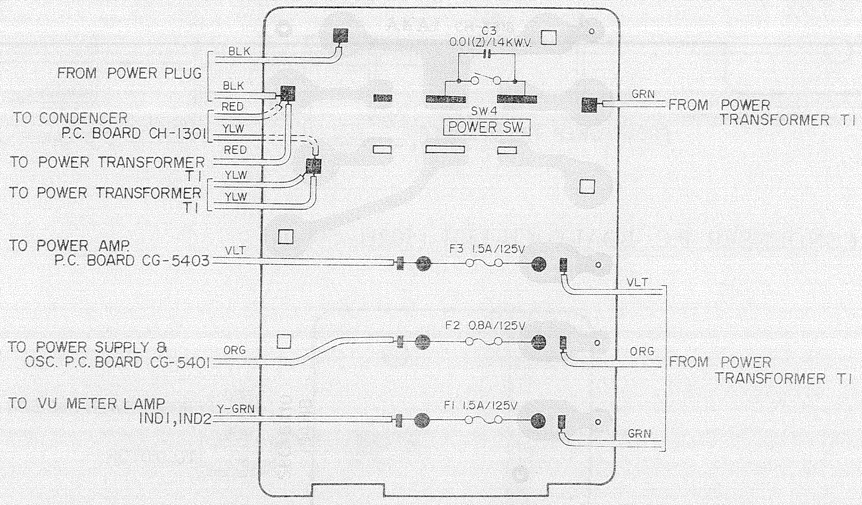
19) CONDENSER P.C. BOARD CH-1301 (502D, 500/D)


C1 1(K)/350W.V.(D.C.)
RED
FROM POWER SW. SW4
ORG
BLK
TO MOTOR
YLW
TO FUSE P.C. BOARD CH-5318
BLK/WHT
TO MOTOR
ORG/WHT

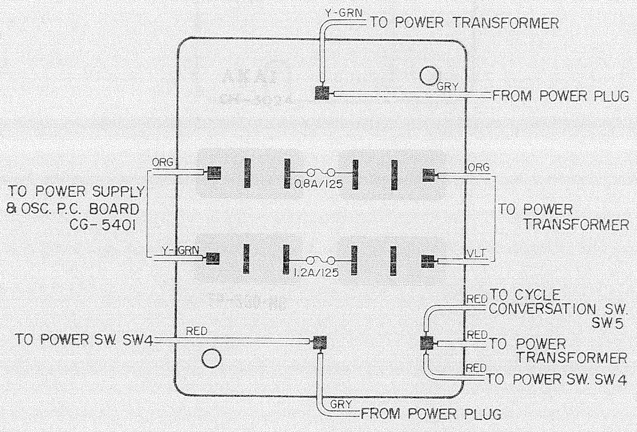
20) FUSE P.C. BOARD CH-5318 (502D, 500D)


AKAI
C3
0.01(Z)/1.4KW.V.
BLK
FROM POWER PLUG
BLK
RED
TO CONDENCER
P.C. BOARD CH-1301
YLW
RED
TO POWER TRANSFORMER
T1
YLW
SW4
POWER SW.
GRN
TO POWER TRANSFORMER
T1
F2 0.8A/125V
ORG
FROM POWER
TRANSFORMER T1
GRN
F1 1.5A/125V
ORG
TO POWER SUPPLY &
OSC. P.C. BOARD CG-5401
Y-GRN
TO VU METER LAMP
M1, M2

21) FUSE P.C. BOARD CH-5318 (500)


AKAI
C3
0.01(Z)/1.4KW.V.
BLK
FROM POWER PLUG
BLK
RED
TO CONDENCER
P.C. BOARD CH-1301
YLW
RED
TO POWER TRANSFORMER
T1
YLW
TO POWER TRANSFORMER
T1
YLW
SW4
POWER SW.
GRN
FROM POWER
TRANSFORMER T1
TO POWER AMP.
P.C. BOARD CG-5403
VLT
F3 1.5A/125V
VLT
F2 0.8A/125V
TO POWER SUPPLY &
OSC. P.C. BOARD CG-5401
ORG
ORG
FROM POWER
TRANSFORMER T1
TO VU METER LAMP
IND1, IND2
Y-GRN
F1 1.5A/125V
GRN

22) FUSE P.C. BOARD CH-5024 (JPN)


Y-GRN
TO POWER TRANSFORMER
AKAI
CH-5024
GRY
FROM POWER PLUG
ORG
0.8A/125
ORG
TO POWER SUPPLY
& OSC. P.C. BOARD
CG-5401
TO POWER
TRANSFORMER
Y-GRN
1.2A/125
VLT
RED
TO CYCLE
CONVERSATION SW.
SW5
TO POWER SW. SW4
RED
RED
TO POWER
TRANSFORMER
RED
TO POWER SW. SW4
GRY
FROM POWER PLUG

SECTION 2

PARTS LIST

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Fig. 4 CASSETTE BASE BLOCK 31
Fig. 5 MECH. FRAME BLOCK (1) 32
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Fig. 7 AMP. CHASSIS BLOCK 36
Fig. 8 REAR CHASSIS BLOCK 38
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INDEX 47

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read list.

—The reference number corresponds with illustration or photo number of that particular parts list.

—This number corresponds with the Figure Number.

—This number corresponds with the individual parts index number in that figure.

—A small "x" indicates the inability to show that particular part in the Photo or Illustration.

12-115x

—Schematic Diagram Number of individual manufactured part. (not required for parts order)

—Quantity of particular part required.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FLYWHEEL BLOCK #13		
12-115x	800425	Flywheel Block Assy. Comp.	RDG #13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

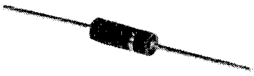
4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of components of the Schematic Diagram or Service Manual.
5. The indications of Resistors and Capacitors in the photos of P.C. Board are being eliminated.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.

   It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

ELECTRICAL PARTS TABLE

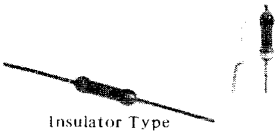
Because the indication of resistors and capacitors in the P. C. Board photos are being eliminated, please confirm parts name and shape by comparing them with the parts shown in this table.

1



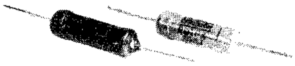
Solid Resistor

2



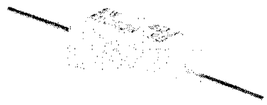
Carbon Resistor

3



Metal Oxide Film Resistor

4

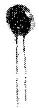


Cement Resistor

5

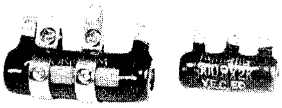
Wire-Wound Resistor

6



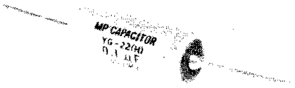
Thermister

7



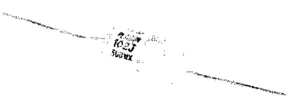
Enamel Resistor

1



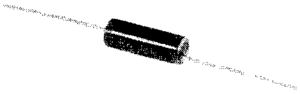
MP Capacitor (Tubular Type)

2



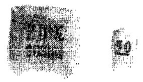
Plastic Capacitor

3



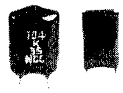
Mylar Capacitor

4



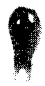
VFM (Hi-Q) Capacitor

5



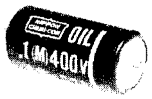
Mylar Capacitor

6



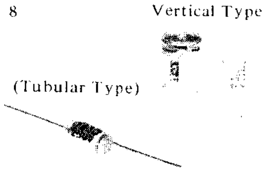
Tantalum Capacitor

7



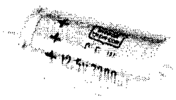
Oil Capacitor (Tubular Type)

8



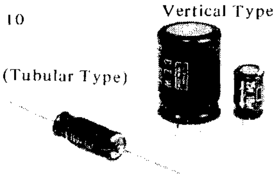
Styrol Capacitor

9



Electrolytic Capacitor (Tubular Type)

10

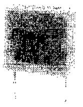


Electrolytic Capacitor

11

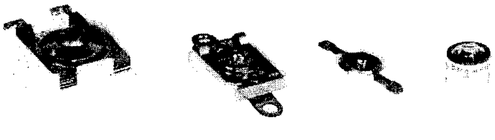
Ceramic Capacitor

12



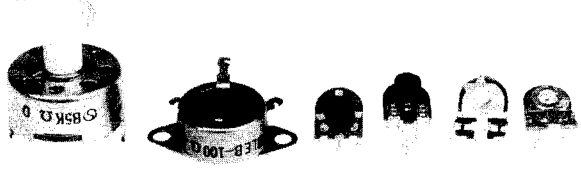
Metalized Mylar (Paper) Capacitor

13



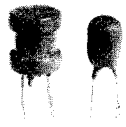
Trimmer Condenser

VR



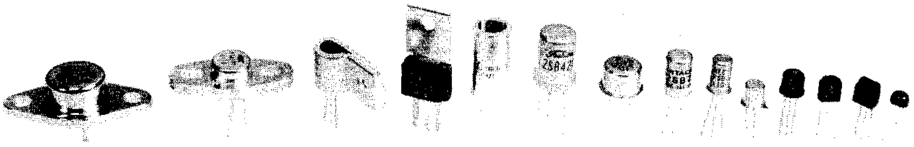
Semi-Fixed Volume

L



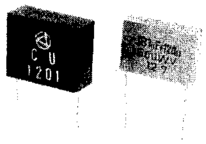
Ferri Inductor

TR



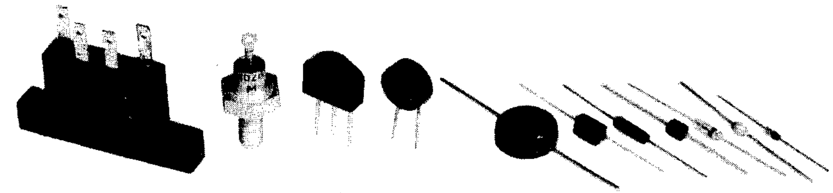
Transistor

CR



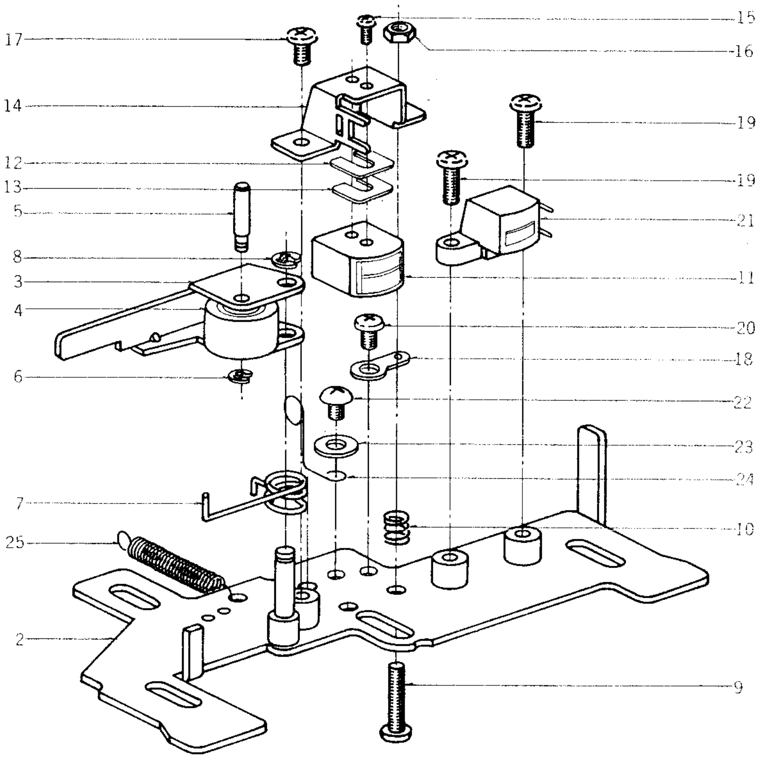
Spark Quencher

D



Diode (Silicon, Zener, Germanium)

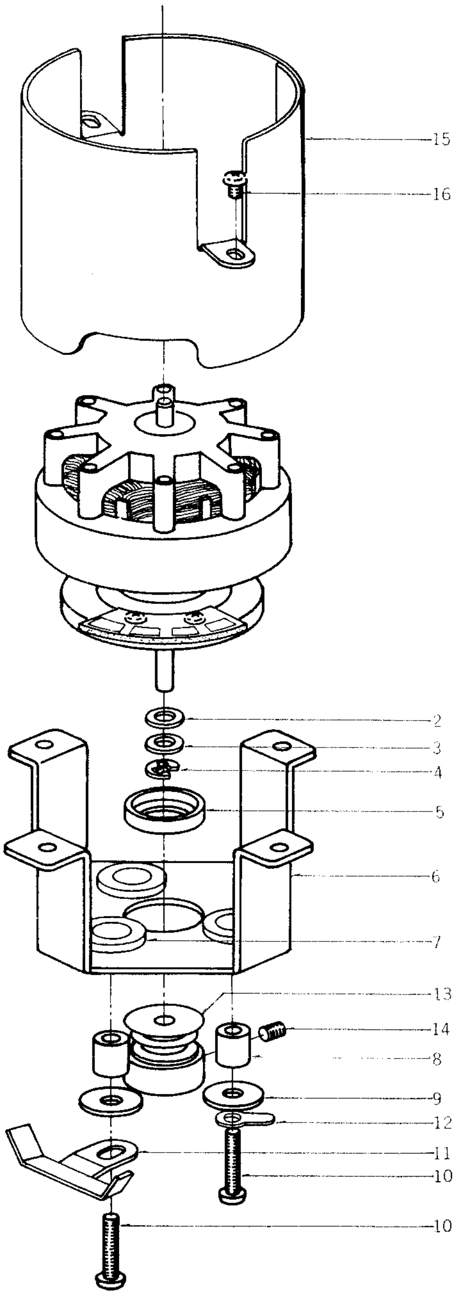
FIG. 1 ILLUSTRATION OF HEAD BASE BLOCK



HEAD BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
1-1x	BH592751	Head Base Block Comp.	CH	1
1-2	HZ457323	Head Base	CG-0001	1
1-3	HL457391	Pinch Roller Arm	CG-0010	1
1-4	MP468292	Pinch Roller CG D=13	CG-0032	1
1-5	MS389981	Pinch Roller Shaft	CS-0011	1
1-6	ZW391397	'E' Ring 1.2M	6-1-9	1
1-7	ZG457380	Pinch Roller Spring	CG-0009	1 1
1-8	ZW270088	'E' Ring 1.9M	6-1-9	1
1-9	ZS462947	Screw, pan head 2.3x12		1
1-10	ZH465636	Angle Adjust Spring	CG-0029	1
1-11	HP564085	REC./P.B. HEAD P4-341		1
1-12	ZW414235	Height Adjust Washer A (0.1t)	CS-0025	1
1-13	ZW414246	Height Adjust Washer B (0.15t)	CS-0025	1
1-14	UM366625	PC Tape Guide	RCC-1012	1
1-15	ZS461395	Screw, round head 2x3		2
1-16	ZW273688	Nut M2.3		1
1-17	ZW417161	Screw, pan head 2.3x4		1
1-18	ZW316800	Earth Lug M2.6		1
1-19	ZS375118	Screw, binding head 2.3x6		2
1-20	ZS201407	Screw, pan head 2.3x3		1
1-21	HE515992	ERASE HEAD A ME-136A (Black)	37-2-1	1
1-22	ZS432674	Screw, pan head 3x3		1
1-23	ZW413256	Washer D3.4x7.8x0.5t (SPC)		1
1-24	UM566021	Head Shield Wire Retainer	CZ-5040	1
1-25	ZG514697	Head Return Spring	CG-1308	1

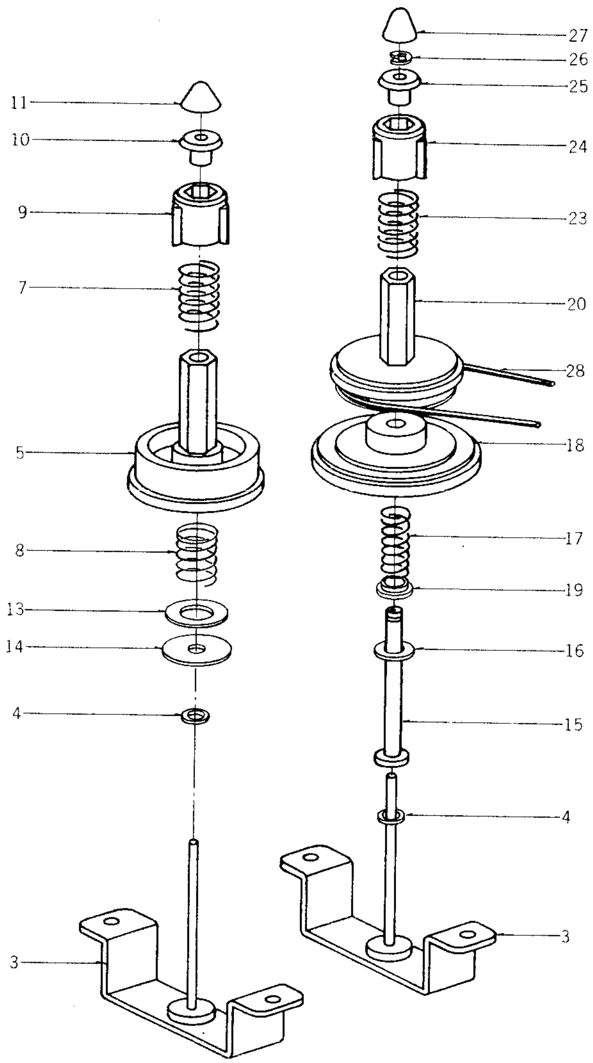
FIG. 2 ILLUSTRATION OF MOTOR BLOCK



MOTOR BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
2-1x	BM451675	Motor Block (HM1-12CS) Comp.	CH-1, 2 CG-1, 2	1
2-2	ZW396415	Thrust Washer A, CS	CS-7029	3
2-3	ZW396426	Thrust Washer B, CS	CS-7029	3
2-4	ZW270101	'E' Ring 3M	6-1-9	1
2-5	UM394075	Oil Cut	CS-7028	1
2-6	MZ457301	Motor Bracket	CG-7002	1
2-7	UM384164	Rubber Cushion Bush	24XO-717	3
2-8	UM469563	Rubber Cushion Sleeve, CG	CG-7010	3
2-9	ZW402322	Washer D4.1x13x0.5t (SUP)		3
2-10	ZS593201	Screw, pan head 3x16		3
2-11	UM468270	Belt Vibration Stopper	CG-7008	1
2-12	ZW273778	Earth Lug M3		1
2-13	MR457290	Motor Pulley	CG-7001	1
2-14	ZS356804	Set Screw, hexagon Socket 3x4 (Cup/p.)		2
2-15	MZ605755	Motor Shield	CH-1067	1
2-16	ZS325495	Tapping Screw #2 3x6		4
2-17x	BM510107	Motor Block (IC-414) Comp.	CH-3 CG-3to6	1
2-18x	BM510118	Motor IC-414	9-2-1	1
2-19x	MZ510017	Motor Fan	CG-7308	1
2-20x	MR510142	Motor Pulley B	CG-7303	1
2-21x	ZS356804	Set Screw, hexagon socket 3x4 (Cup/p.)		2
2-22x	MZ510030	Motor Shield E	CG-7305	1
2-23x	UM516352	Dust-Proof Rubber B	CG-1236	1
2-24x	UM516306	Motor Mt. Metal B	CG-1234	1
2-25x	ZS417148	Screw, binding head 3x15		1
2-26x	ZW273756	Nut M3		1

FIG. 3 ILLUSTRATION OF REEL TABLE BLOCK



REEL TABLE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
3-1x	BR616026	Supply Reel Table Block Comp.	CH	1
3-2x	BR616037	Take-up Reel Table Block Comp.	CH	1
3-3	UM457312	Reel Table Bracket, w/bush A	CG-2001	1
3-4	ZW364342	Washer D1.7x3.2x0.25t (polyslider)		2
3-5	UM387652	Supply Reel Table	CS-2016	1
3-6x	UM391140	Reel Table Ring	CS-2013	1
3-7	ZG385075	Reel Table Spring	CS-2014	1
3-8	ZG615205	Back Tension Spring	CH-1072	1
3-9	MT605766	V Type Reel Table Blade	CH-1070	1
3-10	UC370348	C Type Reel Table Bush	RCC-1343	1
3-11	UC370372	C Type Reel Shaft Cap	RCC-1346	1
3-12x	ZW601762	WasherD3.1x 8x0.12t		1
3-13	ZW615216	Reel Table Washer 1	CH-1073	1
3-14	ZW615227	Reel Table Washer 2	CH-1074	1
3-15	MS387573	Take-up Reel Table Shaft	CS-2007	1
3-16	ZW355307	Washer D2.6x6.9x0.5t (BSP)		1
3-17	ZG387584	Clutch Spring	CS-2008	1
3-18	MR387595	Take-up Reel Table Pulley	CS-2009	1
3-19	UM615903	Reel Table Spring Support	CH-2014	1
3-20	UM387628	Take-up Reel Table	CS-2012	1
3-21x	UM391140	Reel Table Ring	CS-2013	1
3-22x	UM387617	Clutch Felt	CS-2011	1
3-23	ZG385075	Reel Table Spring	CS-2014	1
3-24	MT370361	C Type Reel Table Blade	RCC-1345	1
3-25	UM387641	Take-up Reel Table Bush	CS-2015	1
3-26	ZW270088	'E' Ring 1.9M	6-1-9	1
3-27	UM394200	Take-up Reel Cap	CS-2105	1
3-28	MB595743	Counter Belt	CH-1047	1

CASSETTE BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
4-1x	BZ592738	Cassette Base Block Comp.	CH	1
4-2	UM596362	Cassette Base, w/pin	CH-2001	1
4-3	MH595530	Eject Guide Pin	CH-2013	1
4-4	ZW273756	Nut M3		1
4-5	ZS380046	ISO Screw, pin head 3x10		1
4-6	MS595552	Cassette Guide R	CH-2006	1
4-7	MS595563	Cassette Guide L	CH-2007	1
4-8	ML595574	Detector Lever A	CH-2008	2
4-9	ML595585	Cassette Lever B	CH-2009	2
4-10	ZG595618	Spring A	CR-2004	1
4-11	ZG595620	Spring B	CH-2005	1
4-12	ZW270088	'E' Ring 1.9M	6-1-9	2
4-13	ZW592391	Washer D3.2x6x0.3t		2
4-14x	UM477358	Cassette Insert Name Plate	CG-1098	1
4-15	UM596474	Cassette Case	CH-2012	1
4-16	UM609963	Lid Retaining Spring	CH-6037	2
4-17	ZG595528	Leaf Spring	CH-2011	1
4-18	ZS533564	Tapping Screw #3, Flange head 2x5	ED-6006	2
4-19	ZS592402	Screw, pan head 3x18		4
4-20	ZG614957	Leaf Spring B	CH-2011	1
4-21	UM596160	Cassette Base Bracket L, w/pin 2	CH-1025	1
4-22	UM596171	Cassette Base Bracket R, w/pin 1	CH-1025	1
4-23	ZS325495	Tapping Screw #2 3x6		2

FIG. 4 ILLUSTRATION OF CASSETTE BASE BLOCK

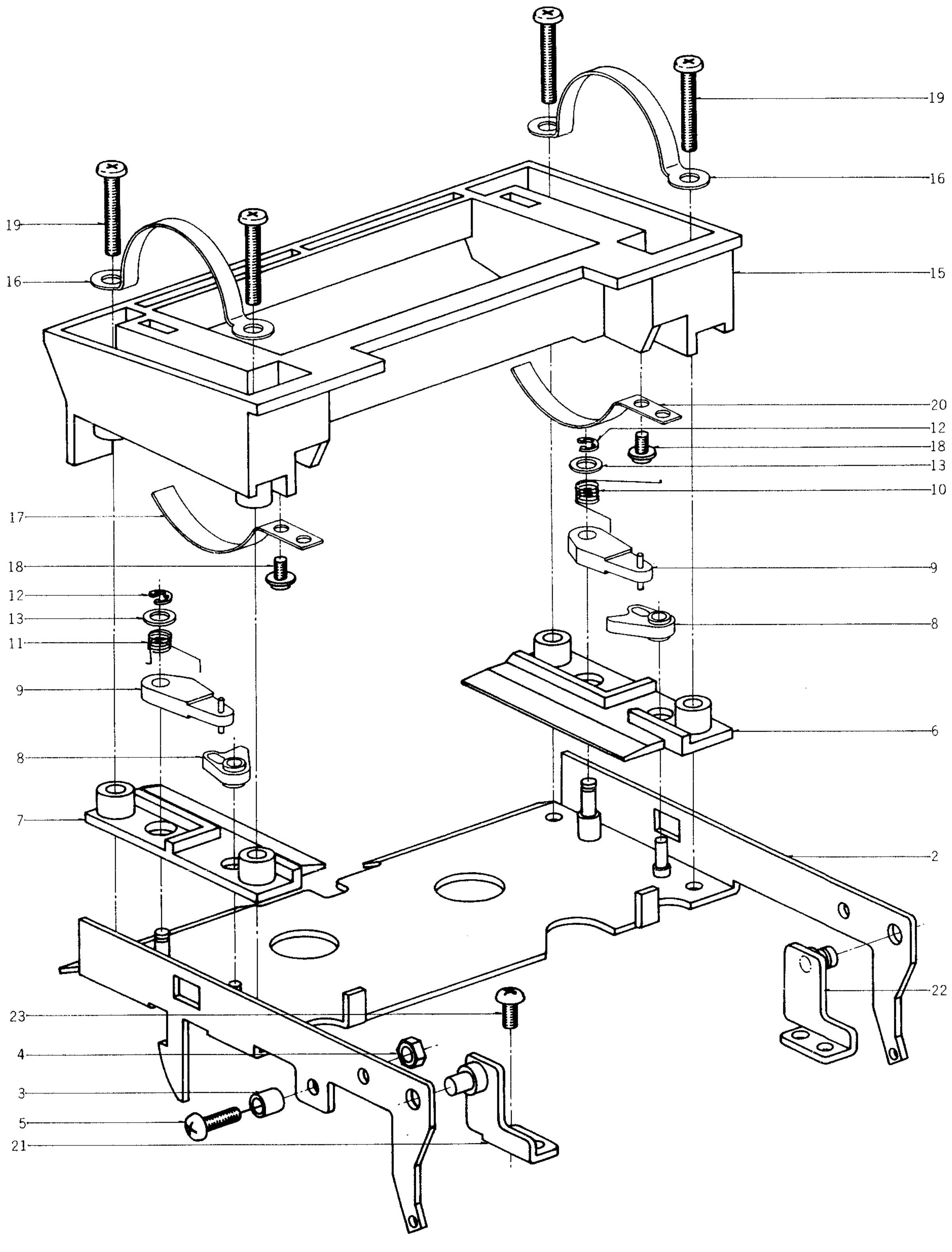

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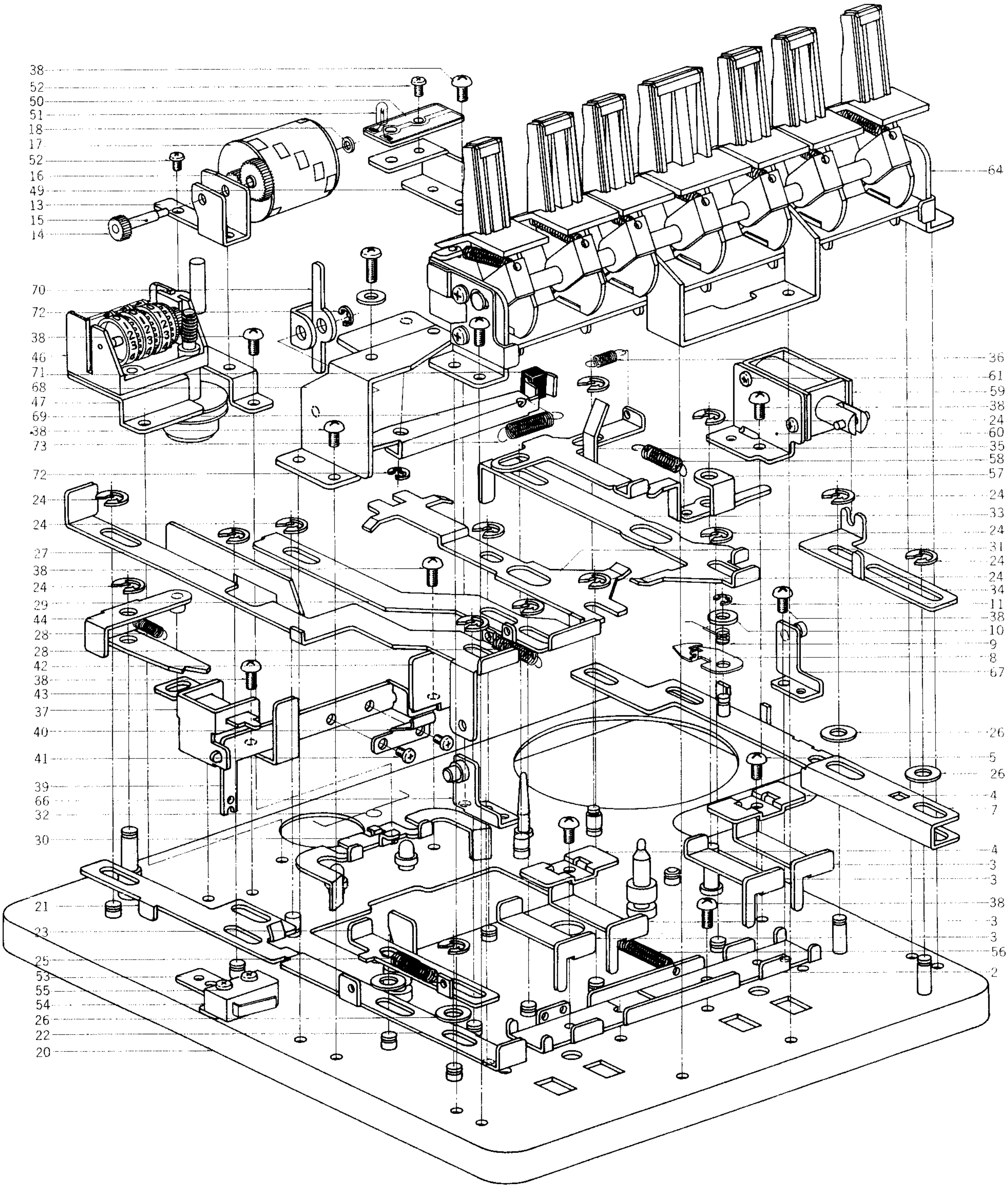
FIG. 5 ILLUSTRATION OF MECH. FRAME BLOCK (1)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MECH. FRAME BLOCK (1)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	SLIDE BLOCK			
5-1x	BZ592762	Slide Block Comp.	CH	1
5-2	MS595978	Slide Guide	CH-1006	1
5-3	ML595991	Play Lever	CH-1008	4
5-4	MZ595980	Slide Retainer	CH-1007	2
5-5	ZS325495	Tapping Screw #2 3.6 (BR)		2
	PAUSE SLIDE BLOCK			
5-6x	BZ592740	Pause Slide Block Comp.	CH	1
5-7	MZ596081	Pause Slide B, w/shaft	CH-1017	1
5-8	UM515575	SW. Lock Cam B	CG-2301	1
5-9	ZG514440	Button Lock Spring B	CG-2303	1
5-10	ZW424495	Washer D3.1x8x1t (SPC)		1
5-11	ZW270088	'E' Ring 1.9M	6-1-9	1
	TAPE RUN BLOCK			
5-12x	BZ592773	Tape Run Block Comp.	CH	1
5-13	MZ596002	Pinion Base, w/shaft	CH-1009	1
5-14	UM541833	Pinion Gear A	CZ-2012	1
5-15	UM541855	Pinion Shaft	CZ-2014	1
5-16	MZ595732	Spur Gear	CH-1046	1
5-17	MZ596024	Tape Run Drum	CH-1011	1
5-18	ZW595697	Washer 1.3x3.6x0.25t (Teflon)	CH-1051	1
5-19x	SE595708	Tape Run Mask	CH-1052	1
	MECH. FRAME BLOCK			
5-20	MZ596463	Mech. Frame, w/shaft	CH-1001	1
5-21	ML596057	Lock Off Lever	CH-1014	1
5-22	ML596068	Lock Off Lever B	CH-1015	1
5-23	UM596103	Cassette Up Slide	CH-1019	1
5-24	ZW290283	'U' Ring 2.85M	6-1-1	17
5-25	ZG595506	Stop Spring	CH-3007	1
5-26	ZW259885	Washer D5.1x10.3x0.1t (PBP)		5
5-27	MZ596070	Rec. Slide	CH-1016	1
5-28	ZG365433	Idler Tension Spring	RCC-1365	2
5-29	UM456963	Rewind Slide	CG-1043	1
5-30	UM456928	Brake Shoe	CG-1039	1
5-31	UM456941	Brake Slide	CG-1041	1
5-32	ZG456930	Brake Spring	CG-1040	1
5-33	UM456952	F. Fwd Slide	CG-1042	1
5-34	ML596046	Cancellation Lever B	CH-1013	1
5-35	ML596092	Safety Lever	CH-1018	1
5-36	ZG469315	Take-up Lever Spring	CG-1091	1
5-37	MZ596204	Detective Plate Base	CH-1028	1
5-38	ZS325495	Tapping Screw #2 3x6		18
5-39	UM596215	Cassette Hold Lever	CH-1029	1
5-40	UM596226	Cassette Retainer Spring	CH-1030	1
5-41	ZS432843	Screw, pan Head 2.6x4		2
5-42	MZ596193	Hold Bracket	CH-1027	1
5-43	MZ596248	Rec. Detective Plate	CH-1032	1
5-44	MZ596237	Antirec. Plate, w/pin	CH-1031	1
5-45x	MV592356	Steel Ball D5		1
5-46	MC592367	Counter MP390-117	9-1-34	1
5-47	MZ596035	Counter Base	CH-1012	1
5-48x	UM516025	Magnet TG0034, w/bush	5-1-8	1
5-49	UM596147	Lamp Base	CH-1023	1
5-50	EA586732	TR P.C. Board	CH-1048	1
5-51	EL603268	Lamp 24V 35MA	28-2-39	1
5-52	ZW417161	Screw, pan head 2.3x4		1
5-53	MZ596182	Rec SW. Base	CH-1026	1
5-54	ES477966	Micro SW. SS-5GL	25-1-23	1
5-55	ZS487091	Screw, pan head 2.3x8		2
5-56	ZG514697	Head Return Spring	CT-1308	1
5-57	UM596158	Pause Lever A	CH-1024	1
5-58	ZG305010	Out Spring	RC-586	1
5-59	EP494425	Plunger Solenoid 0730THT1	44-1-48	1
5-60	MZ596340	Plunger Plate	CH-1042	1
5-61	ZS592378	Screw, pan head 2.6x3		2
5-62x	MH607241	Spring Pin 2.5x10 (SPP)		1
5-63x	ED494583	Silicon Diode 10D05	45-2-42	1
5-64	BK592380	Keyboard	25-5-134	1
5-65x	BK619716	Keyboard B (500/D, 502D)	25-5-148	1
5-66	UM596160	Cassette Base Bracket L, w/pin 2	CH-1025	1
5-67	UM596171	Cassette Base Bracket R, w/pin 1	CH-1025	1
5-68	UM596114	Cassette Up Base, w/pin	CH-1020	1
5-69	UM596136	Cassette Up Lever 1	CH-1022	1
5-70	UM596125	Cassette Up Lever 2	CH-1021	1
5-71	MB614608	Up Rubber	CH-1077	1
5-72	ZW270101	'E' Ring 3M	6-1-9	2
5-73	ZG529334	Tension Spring	ND-1016	1
5-74x	EA612180	Condenser P.C. Board	CH-1301	1
5-75x	EJ514822	Fuse Holder, P.C. Board S-N5051	40-1-28	3
5-76x	UM612090	Condenser Table	CH-1303	1
5-77x	EC514743	MP/C. 1μF (K) 350WV DC (Tub. Type)	24-9-68	1
5-78x	ZS325495	Tapping Screw #2 3x6		4

MECH. FRAME BLOCK (2)

WIND IDLER BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
6-1x	BZ459966	Wind Idler Block Comp.	CG, CT, CH	1
6-2	UM456783	Wind Lever (1), w/shaft	CG-2009	1
6-3	ZG392804	Auto. Change Lever E Return Spring	CS-2566	1
6-4	ZW270123	'E' Ring 4M	6-1-9	1
6-5	UM461878	Wheel Collar	CG-2026	1
6-6	UM461880	Wind Wheel (1), w/ring	CG-2023	1
6-7x	UM461586	Clutch Felt	CG-2025	1
6-8	UM461891	Wind Wheel (2)	CG-2024	1
6-9	ZG459224	Clutch Spring	CG-2021	1
6-10	ZW259795	Washer D4.3x11x0.13t (SUP)		1
6-11	ZW421007	Washer D4.3x11x0.25t (SUP)		1
6-12	ZW290283	'U' Ring 2.85M	6-1-1	1
6-13	ZW391397	'E' Ring 1.2M	6-1-9	1
6-14	ZW474581	Washer D2.05x3.5x0.2t (Teflon)		2
6-15	ZW474592	Washer D2.05x7x0.2t (Teflon)		1
6-16	MB456895	Wind Belt D40x1.4x1.4	CG-1035	1
6-17	ZW474603	Washer D4.1x13x0.2t (Teflon)		1

WIND PULLEY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
6-18x	BZ592154	Wind Pulley Block Comp.	CG, CT, CH	1
6-19	UM456827	Wind Lever (2), w/metal	CG-2015	1
6-20x	MS456851	Wind Pulley Shaft (1)	CG-2018	2
6-21	MR456838	Wind Pulley (1)	CG-2016	2
6-22	MR456840	Wind Pulley (2)	CG-2017	2
6-23x	ZW381644	Washer D2.1x4.0x0.13t (Polyslider)		4

MECH. FRAME BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
6-24	UM457053	Rec. Bracket	CG-1051	1
6-25	ZG583830	Rec. Spring B	CG-1052	1
6-26	ZS478697	Graduated Screw, CG	CG-1093	2
6-27	ZG494381	Rec. Gramp Spring B	CG-1218	2
6-28	MZ596261	Pre-Card Retainer 2	CH-1034	2
6-29	ZS325495	Tapping Screw #2 3x6		14
6-30x	MZ595631	Side Frame B	CH-1053	1
6-31	EZ596283	Condenser Retainer	CH-1036	1
6-32	EC393671	MP/C. 6+1 μF 150WV AC (Lug Type Uni/D.)	24-9-47	1
6-33x	EC412582	MP/C. 6μF 150WV AC (Lug Type Uni/D.) (CSA)	24-9-55	1
6-34	MZ596294	Bracket F	CH-1037	1
6-35	ES479507	Slide SW. S-3	25-3-68	1
6-36	ZS325495	Tapping Screw #2 3x6		15
6-37x	MZ596305	Bracket G	CH-1038	1
6-38	MZ595710	Pre Card Retainer 1	CH-1044	1
6-39	MV610514	Capstan Metal Case B	CP-1156	1
6-40	ZS590804	Screw, pan head 2.3x6		3
6-41	UM494987	Take-up Spring Hook	CG-1101	1
6-42	UM456996	Wind Slide, w/pin	CG-1046	1
6-43	ZG224796	New Spring D	MH-142	2
6-44	ZW290283	'U' Ring 2.85M	6-1-1	7
6-45	MZ595675	Wind Plate	CH-1049	1
6-46	ZG456985	Wind Spring	CG-1045	1
6-47	ZW417161	Screw, pan head 2.3x4		2
6-48	ZG460484	Wind Plate Spring	CG-1083	1
6-49x	MB595743	Counter Belt	CH-1047	1
6-50	UM456671	Capstan Supporting Prop	CG-1016	2
6-51	ZS369900	Screw, pan head 3x8, w/washer		4
6-52	UM498892	SW. Holder	CG-3304	1
6-53	ES539043	Push SW. SPJ-10108	25-5-92	1
6-54	SB499195	SW. Button	CG-3305	1
6-55	ZS460440	Screw, pan head 2x4		2
6-56	ZS432843	Screw, pan head 2.6x4		2
6-57	UM456693	Take-up Lever (1), w/shaft	CG-1024	1
6-58	UM456726	Take-up Lever (2), w/metal	CG-1028	1
6-59	UM456750	Take-up Wheel, w/ring	CG-1031	1
6-60	ZG469315	Take-up Lever Spring	CG-1091	1
6-61x	ZW461248	Washer D4.3x11x0.35t (PBP)		1
6-62x	ZW530504	Oil Cut Washer	CG-1102	1
6-63	ES516036	Lead SW. ORD-225	25-11-1	1
6-64	EA516047	Lead SW. P.C. Board	CG-1229	1
6-65	UM515518	SW. Table Cushion, w/sleeve	CG-1228	2
6-66x	EC290564	VFM/C. 220PF(K) 50WV	24-6-2	1
6-67	ZW516251	Washer D2.4x5.8x0.4t (SPC)		2
6-68	ZS462947	Screw, pan head 2.3x12		2
6-69x	EJ510333	Wire Clip 220-JD481610-0104 (Nylon)	2-7-17	2
6-70x	EJ618524	Wire Clip 220-JD482010-0010 (Nylon)	2-7-45	1
6-71	ES477966	Micro SW. SS-5GL	25-1-23	3
6-72	ZS465298	Screw, pan head 2.3x10		6
6-73	EZ595653	Insulator Plate	CH-1055	1
6-74	ML596351	Lock Off Lever C	CH-1043	1
6-75	ZG596338	Head Base Pressure Spring	CH-1041	1
6-76	UM596327	Cassette Base Stopper	CH-1040	2
6-77x	MB510164	Cussion Rubber	CG-7306	2
6-78	ZG595721	Eject Spring	CH-1045	2
6-79	MI456658	Flywheel, w/shaft	CG-1021	1
6-80	ZW615238	Wheel Washer	CH-1075	1
6-81	ZW615240	Oil Cut Washer	CH-1076	1
6-82	MB456660	Capstan Belt D106x1.4x1.4	CG-1023	1
6-83	UM456682	Capstan Supporting Plate	CG-1022	1
6-84	UM387268	Flywheel Support	CS-1115	1
6-85	ZW478991	Speed Nut M4 (P Type)	6-3-7	1
6-86	UM518106	P.C. Board Table	CG-1403	1
6-87x	UM612088	Sys. Con. Table (500/D, 502D)	CH-1302	1
6-88	MV592356	Steel Ball D5		1

FIG. 6 ILLUSTRATION OF MECH. FRAME BLOCK (2)

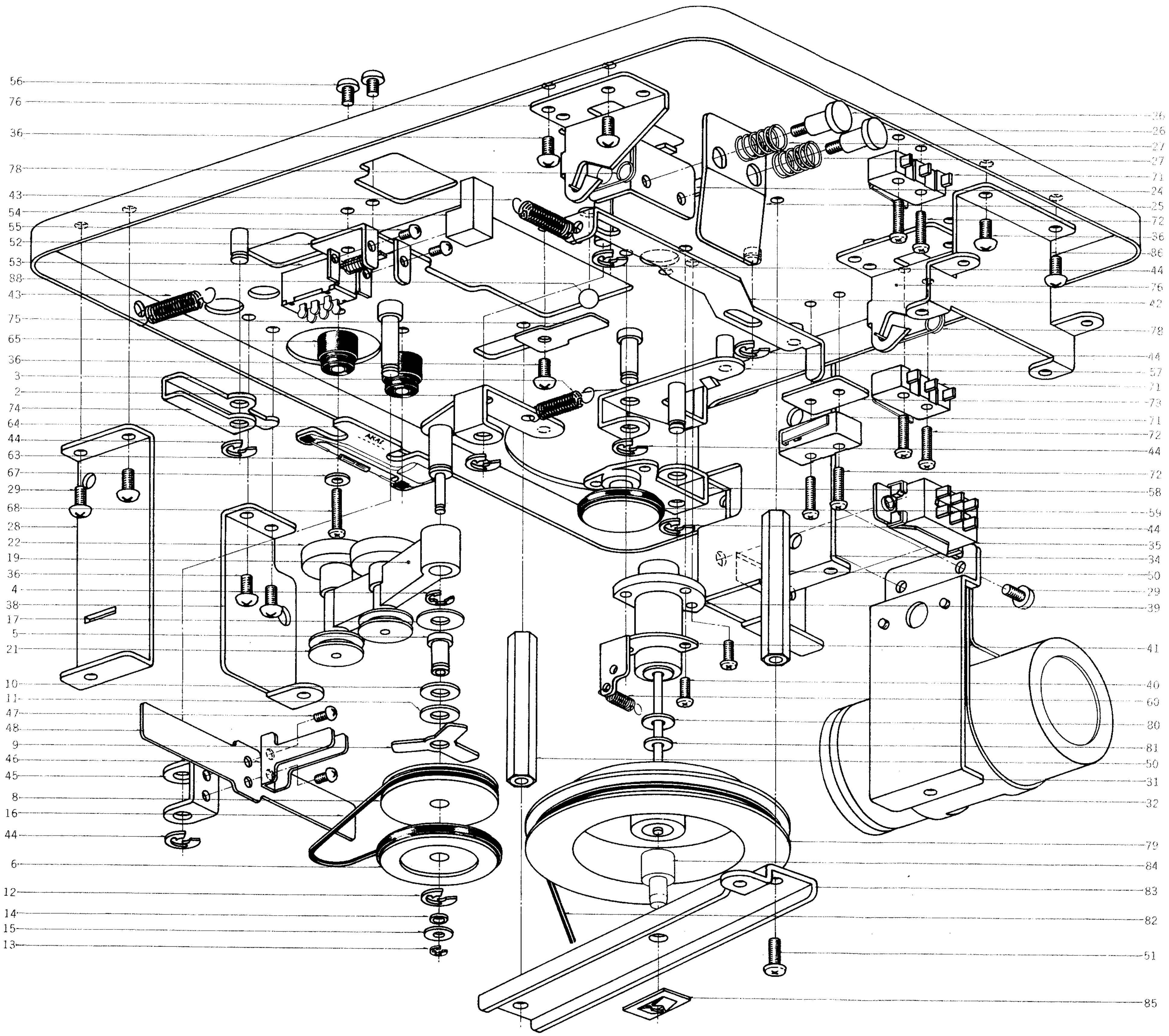
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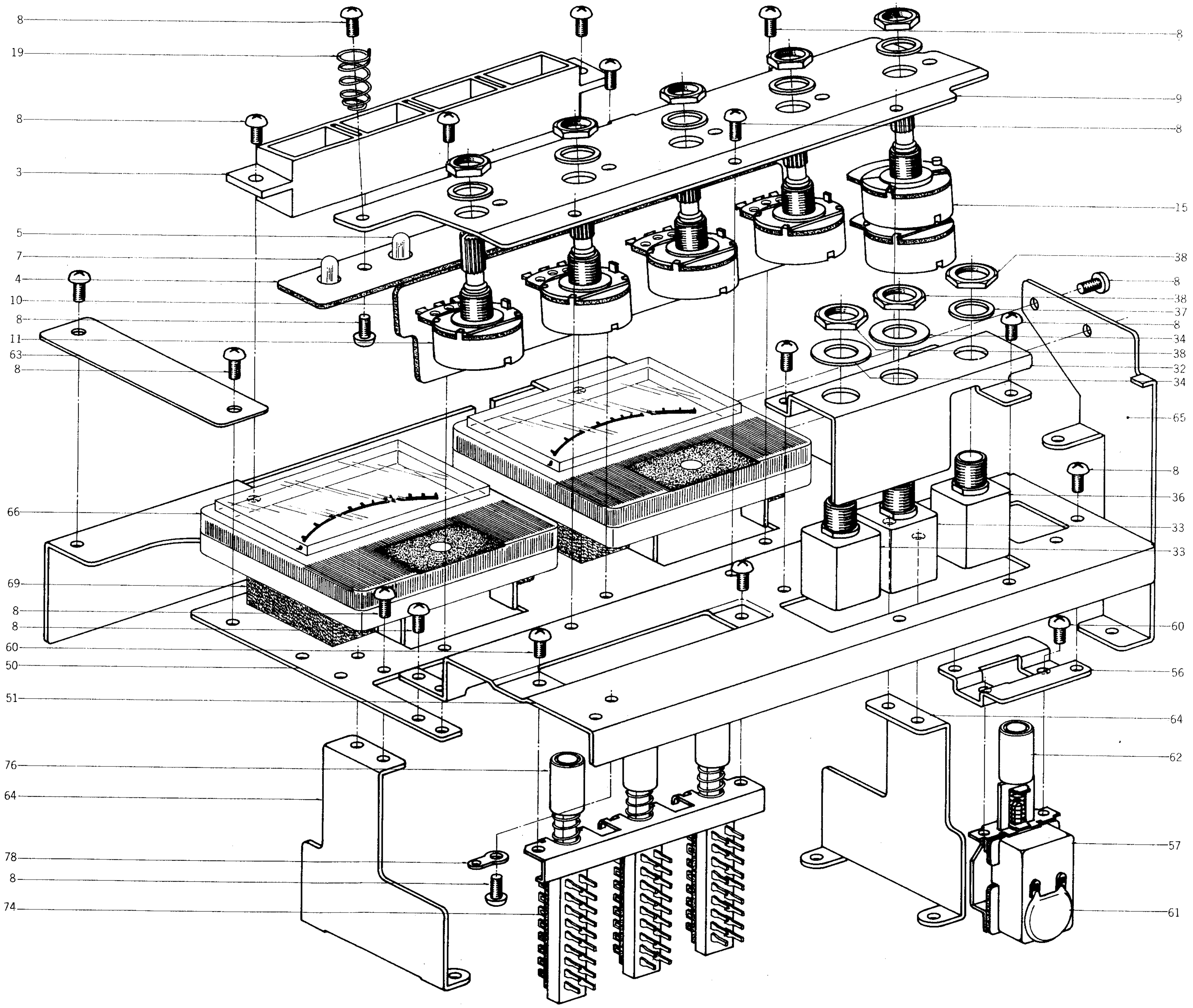
FIG. 7 ILLUSTRATION OF AMP. CHASSIS BLOCK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AMP. CHASSIS BLOCK

LAMP HOUSE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-1x	BZ592841	Lamp House Block Comp.	CH-1	1
7-2x	BZ592852	Lamp House Block Comp.	CH-2	1
7-3	UM586934	Lamp House	CH-5004	1
7-4	EA586743	Lamp P.C. Baord	CH-5011	1
7-5	EL603263	Lamp 24V 35MA	28-2-39	3
7-6x	EL603268	Lamp 24V 35MA (505D)	28-2-39	2
7-7	EL368774	Lamp 6.3V 180MA	28-2-10	1
7-8	ZS325495	Tapping Screw #2 3x6		26

VOL. CHASSIS BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-9	MZ596395	Volume Bracket A	CH-5002	1
7-10	EA586765	Vol. P.C. Board	CH-5013	1
7-11	EV592457	Vol. VJ10R 50 kA	36-2-37	4
7-12x	ER213715	Carbon/R. RD1/4 100k(J) (Insu. Type)	35-9-5	2
7-13x	ER345712	Carbon/R. RD1/4 22k(J) (Insu. Type)	35-9-5	2
7-14x	ER329308	Carbon/R. RD1/4 47k(J) (Insu. Type)	35-9-5	2
7-15	EV592468	Co-axial 2-throw/Vol. GJ10A 10kBx2	36-1-32	1
7-16x	MZ598476	Vol. Bracket B (505D)	CH-5002	1
7-17x	EV445590	Vol. V24N 50 kA (505D)	36-2-23	2
7-18x	ZW260280	Washer D8.1x13x1t (Nylon) (505D)	3A-302	2
7-19	ZG598781	Earth Spring	CH-5022	1

POWER SUPPLY SW. TABLE BLOCK (502D, 500/D)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-20x	UM612145	Power SW. Table	CH-5312	1
7-21x	ES469541	Push SW. TV-3 JB52	25-5-60	1
7-22x	ZS422076	Screw, pan head 3x5		2
7-23x	EC551160	Ceramic/C. NB821 YZ 0.01μF (Z) 1.4kWV	24-5-55	1
7-24x	SB614428	Power Button B	A5-5021	1
7-25x	EA614788	Fuse P.C. Board B	CH-5318	1
7-26x	EZ621415	Fuse Clip (CEE)	40-1-57	10
7-27x	EJ618805	Lug (w/calking)	32-1-56	4
7-28x	EF601986	Fuse 1.5A 125V	39-1-52	3
7-29x	EF591535	Fuse 0.8A 125V	39-1-52	1

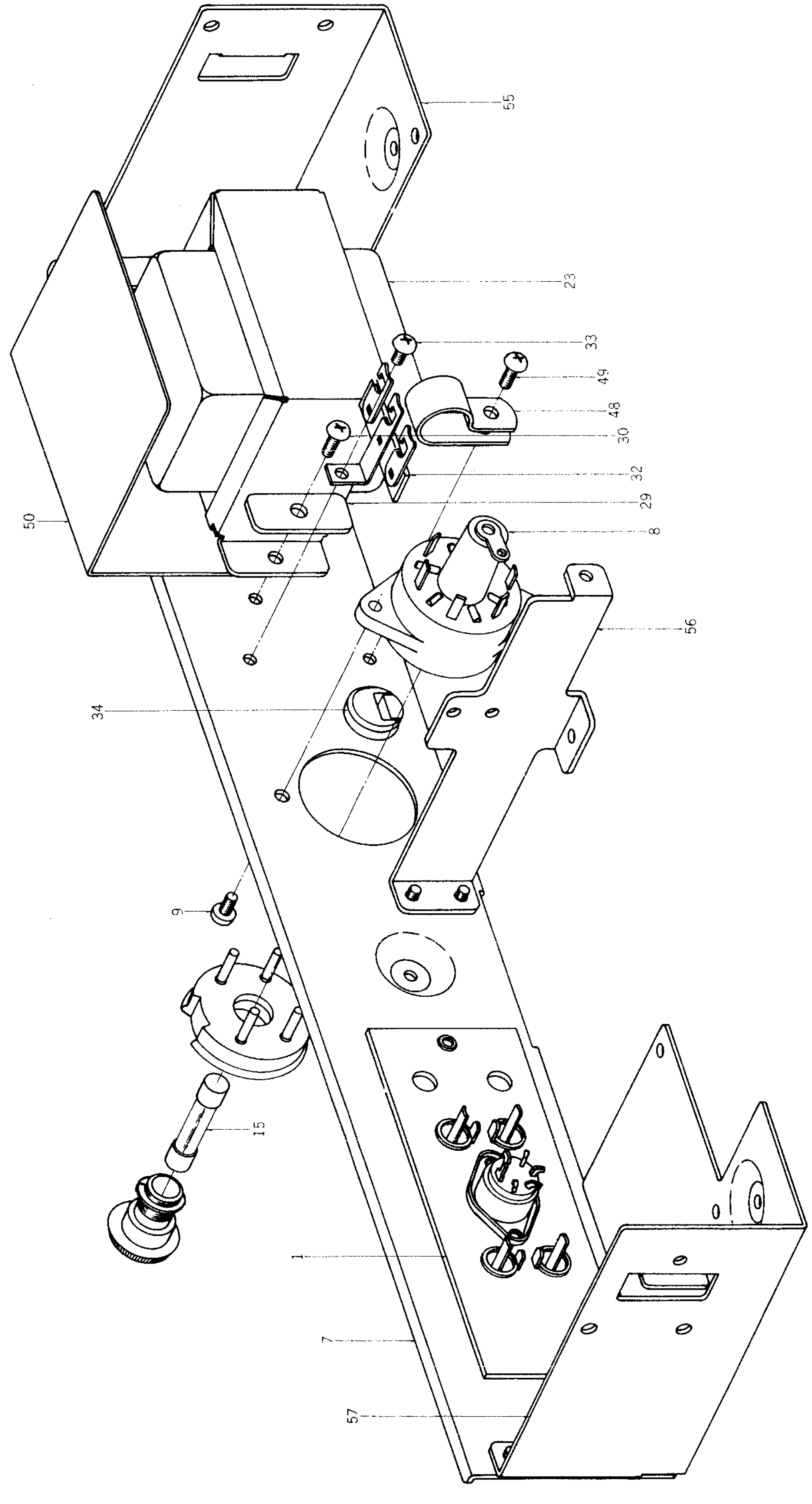
CONTROL CHASSIS BLOCK (502D, 500/D)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-30x	UM612246	Control Chassis (1) (500-JPN)	CH-5306	1
7-31x	UM612257	Control Chassis (2) (500D/502D-JPN)	CH-5306	1
7-32	UM586945	Mic Jack Bracket	CH-5005	2
7-33	EJ592435	Mic. Jack 2PMJ4	31-2-44	2
7-34	EZ225101	Jack Fiber D9.1x15.4x0.5t	DX-510	2
7-35x	SZ614676	Nylon Collar B, Jack	CG-5217	2
7-36	EJ601481	Mic. Jack 3PMJ4	31-2-45	1
7-37	ZW224976	Jack Thin Washer	DX-509	1
7-38	ZW554624	E Jack Nut	7-1-56	3
7-39x	ER364983	Carbon/R. RD1/4 18k(J) (Insu. Type)	35-9-5	2
7-40x	ZW330456	Adjust. Washer (U) D4x13x1t		4
7-41x	ES619683	Push SW. 2FT-0001 CF-1310 (502D-JPN)	25-5-146	1
7-42x	ES573671	Push SW. 1FST-6U-122-3 (500/D-JPN)	25-5-119	1
7-43x	SB607127	Push Knob A (502D-JPN)	A5-5022	3
7-44x	ZS422076	Screw, pan head 3x5		2
7-45x	ZW273778	Earth Lug M3		1
7-46x	UM612123	Lamp Plate (2)	CH-5303	1
7-47x	EL603268	Lamp 24V 35MA	28-2-39	2
7-48x	EV445590	Vol. V24N 50 kA (500D/502D-JPN)	36-2-23	2
7-49x	EV619694	Double/Vol. V24L50N 100kB 15A 50K(500-JPN)	36-3-59	2

AMP. CHASSIS BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-50	AA596485	Amp. Chassis	CH-5001	1
7-51	UM586800	Amp. Chassis B	CH-5003	1
7-52x	UM612268	Amp. Chassis B (500/D/502D-JPN)	CH-5313	1
7-53x	SE625061	Lamp Mask	CH-5036	1
7-54x	UM612112	Lamp Plate (1) (500/D/502D-JPN)	CH-5302	2
7-55x	EL400746	Lamp 6.3V 180 MA	28-2-13	2
7-56	UM586956	Power Supply SW. Base	CR-5006	1
7-57	ES246025	Push SW. SDF1PBP1 (UEH-12BP U/L)	25-5-11	1
7-58x	ES621178	Push SW . S-J4162 (510D-CEE)	25-5-145	1
7-59x	ES621178	Push SW. S-J4162 (510D/505D-WG)	25-5-145	1
7-60	ZS422076	Screw, pan head 3x5		2
7-61	EC551160	Ceramic/C. NB821 YZ 0.01μF(Z) 1.4 kWV	24-5-55	1
7-62	SK598397	Push Button Knob C	91-5051	1
7-63	UM615273	Shield Plate	CH-5032	1
7-64	UM615251	Dolby Plate	CH-5033	2
7-65	MZ596250	Bracket B	CH-1033	2
7-66	EM573748	VU Meter KL-280B-28 (Yellow)	46-1-86	2
7-67x	EM619705	VU Meter D18A41R (500/ D/502D-JPN)	46-1-96	2
7-68x	SE615374	Meter Mask A	CH-5035	2
7-69	UM586890	VU Mat	CH-5010	2
7-70x	UM612101	Lamp Table (500/D/502D-JPN)	CH-5301	1
7-71x	UM606420	Meter Mask	CH-5029	1
7-72x	UM612022	Bracket C (500/D/502D-JPN)	CH-5315	1
7-73	ES592446	Push SW. 3FT-0001 CF1320	25-5-133	1
7-74x	ES573671	Push SW. 1FST-6U-122-3 (505D-WG)	25-5-119	1
7-75	SK531224	Push Button Knob, w/bush	91-5051	3
7-76x	SK531224	Push Button Knob, w/bush (505D-WG)	91-5051	1
7-77	ZW562476	Earth Lug M3		1
7-78x	MZ596272	Side Frame A	CH-1035	1

FIG. 8 ILLUSTRATION OF REAR CHASSIS BLOCK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REAR CHASSIS BLOCK

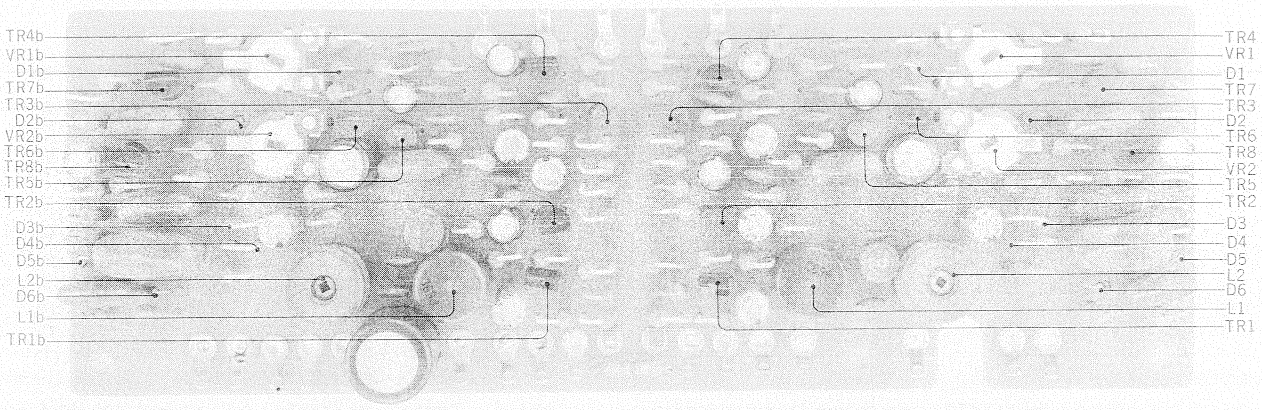
Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		JACK PLATE BLOCK		
8-1	EJ592481	Jack Plate J-2 (w/jack)	31-5-97	1
8-2x	EJ555862	Jack Plate B (w/jack) (500-JPN)	31-5-120	1
8-3x	ER440921	Carbon/R. RD1/4 27k(J) (Insu. Type)	35-9-5	2
8-4x	ER529975	Carbon/R. RD1/4 430k(J) (Insu. Type)	35-9-5	2
8-5x	ER315213	Carbon/R. RD1/4 8.2k(J) (Insu. Type)	35-9-5	2
8-6x	ER345712	Carbon/R. RD1/4 22k(J) (Insu. Type)	35-9-5	2
		REAR CHASSIS BLOCK		
8-7	MZ596496	Rear Chassis	CH-5007	1
8-8	EJ233370	Socket S-18010 (Volt. Selector)	40-2-3	1
8-9	ZS201150	Screw, truss head 3x6 (Black)		2
8-10x	EA606565	Fuse P.C. Board (JPN,CSA) (505D-JPN)	CH-5028	1
8-11x	EJ592503	Fuse Clip, P.C. Board H0426 (JPN, CSA) (505D-JPN)	40-1-37	10
8-12x	MZ598724	Fuse Angle CH (JPN, CSA) (505D-JPN)	CH-5023	1
8-13x	EJ606093	Fuse Holder (CEE)	CH-5026	1
8-14x	ZS379350	ISO Screw, pan head 3x6 (JPN, CSA)		2
8-15	EF563670	Fuse 0.5A 250V	39-1-50	1
8-16x	EF592514	Fuse 1.2A 250V (JPN) (505D-JPN)	39-1-52	1
8-17x	EF591535	Fuse 0.8A 125V (JPN) (505D-JPN)	39-1-52	1
8-18x	EF588420	Fuse 1A 125A (CSA)	39-1-52	2
8-19x	EF601986	Fuse 1.5A 125V (CSA)	39-1-52	1
8-20x	EF601942	Fuse 630MAT (Semko T Type) (CEE)	39-1-53	1
8-21x	EF601953	Fuse 800MAT (Semko T Type) (CEE)	39-1-53	1
8-22x	EF601964	Fuse 1.6AT (Semko T Type) (CEE)	39-1-53	1
8-23	BT592470	Power Trans. CHT-1	38-4-295	1
8-24x	BT592525	Power Trans. CHT-13 (JPN) (505D-JPN)	38-4-294	1
8-25x	BT602008	Power Trnas. CHT-11(CSA)	38-4-282	1
8-26x	BT601997	Power Trans. CHT-12 (CEE)	38-4-283	1
8-27x	BT619773	Power Trans. CHT-16 (500/D/502D-JPN)	38-4-312	1
8-28x	BT622113	Power Trans. CHT-15 (500D/502D-JPN)	38-4-311	1
8-29	EZ486617	Trans. Reinforcement Plate B	LF-5222	2
8-30	ES447840	Tapping Screw #2 3x8 (BR)		2
8-31x	ZS462802	Tapping Screw #2 3x15 (BR) (CEE)		2
8-32	EJ331380	Lug Plate KP1L1	33-3-16	1
8-33	ZS325495	Tapping #2 3x6		1
8-34	EZ382263	Strain Relief SR-4K-4	2-7-12	1
8-35x	EZ246936	Strain Relief SR-6W-1 (WG, 3 core)	2-7-8	1
8-36x	EW540123	AC Cord 2.5M (CUL)	26-3-20	1
8-37x	EW524845	AC Cord (J) 2.5M (JPN)	26-3-31	1
8-38x	EW315448	Australia Cord (3 core)	26-3-11	1
8-39x	EW516600	Power Cord VM-0065 (CEE)	26-3-28	1
8-40x	EW486797	Power Supply Cord (VDE)	26-3-26	1
8-41x	SM596406	Jack Name Plate	CH-5008	1
8-42x	SM598590	Jack Name Plate D (JPN)	CH-5008	1
8-43x	SM596577	Jack Name Plate B (CSA)	CH-5008	1
8-44x	SM598588	Jack Name Plate C (CEE)	CH-5008	1
8-45x	SM598601	Jack Name Plate E (505D-JPN)	CH-5008	1
8-46x	SM612191	Jack Name Plate (1) (500D/502D-JPN)	CH-5309	1
8-47x	SM612202	Jack Name Plate (2) (500-JPN)	CH-5309	1
8-48	EJ432088	Nylon Clip HP-6N	2-7-40	1
8-49	ZS516205	Tapping Screw #2 3x8 BR, w/washer		1
8-50	EZ481296	Trans. Shield, LE	LE-5034	1
8-51x	UM612066	Trans. Table (500/D/502D-JPN)	CH-5308	1
8-52x	EZ235113	Trans. Cover Moltplane	LD-535	1
8-53x	ZW273881	Earth Lug M4 (3 core)		1
8-54x	ZS592536	Screw, pan head 3x5, w/washer		1
8-55	MZ596272	Side Frame A	CH-1035	1
8-56	MZ596305	Bracket G	CH-1038	1
8-57	MZ595631	Side Frame B	CH-1053	1

PRE-AMP. P.C. BOARD (CH-5012) BLOCK

Symbol No.	Parts No.	Description	Q'ty
9-1x	BA592784	Pre-amp. P.C. Board Comp.(CH-5012)	1
9-2x	BA592795	Pre-amp. P.C. Board Comp. (CH-5012) (505D)	1
9-3x	BA619942	Pre-amp. P.C. Board Comp. (CH-5012) (500-JPN)	1
9-4x	BA619953	Pre-amp. P.C. Board Comp. (CH-5012) (500D/502D-JPN)	1
9-TR1, 2	ET391768	Transistor 2SC458LG(C) (D)	4
9-TR1, 2	ET603257	Transistor 2SC1312S(G) (H) (500/D/502D-JPN)	4
9-TR3	ET517263	Transistor 2SC1312(G) (H)	2
9-TR4to8	ET520841	Transistor 2SC711(E) (F) (G)	10
9-D1, D2	ED219464	Germanium Diode 1N34A	
9-D3to8	ED560913	Silicon Diode 1S2473 VE	12
9-VR1	EV554670	Semi-fixed/Vol. V10K8-1-5 1kB	2
9-VR2	EV554668	Semi-fixed/Vol. V10K8-1-5 20 kB	2
9-T1	BT517274	Headphone Trans. N16-535S	2
9-SW1	ES494076	Slide SW. CL-109B	2
9-L1	EO483827	Ferri Inductor FL11H 56MH(J)	2
9-L1	EO368403	Ferri Inductor FL9H 33MH(J) (505D, 500/D/502D-JPN)	2
9-L2	EO368403	Ferri Inductor FL9H 33MH(J)	2
9-L3	EO243988	Ferri Inductor FL7H 3.3MH(J)	2
9-L4, 5	EO368403	Ferri Inductor FL9H 33MH(J)	4
9-L5	EO368403	Ferri Inductor FL9H 33MH(J) (505D, 500/D/502D-JPN)	2
		Capacitor, Vertical Type	
9-C1	EC320051	Elect. 10μF 16WV	2
9-C2	EC405898	Styrol 470PF(J) 50WV	2
9-C3	EC513990	Styrol 330PF(J) 50WV	2
9-C4	EC483366	VFM 90PF(J) 50WV	2
9-C5	EC320051	Elect. 10μF 16WV	2
9-C6	EC493637	Elect. 47μF 10WV	2
9-C7	EC432810	Elect. 10μF 16WV NL	2
9-C8	EC250683	Mylar 0.0022μF(J) 50WV	2
9-C9	EC389485	Mylar 0.018μF(J) 50WV	2
9-C10	EC220127	Elect. 100μF 16WV	2
9-C11	EC450527	Elect. 4.7μF 25WV	2
9-C12	EC320051	Elect. 10μF 16WV	2
9-C13	EC565830	Styrol 200PF(J) 50WV	2
9-C14	EC493637	Elect. 47μF 10WV	2
9-C15	EC399565	VFM 22PF(J) 500WV	2
9-C16	EC320051	Elect. 10μF 16WV	2
9-C17	EC493637	Elect. 47μF 10WV	2
9-C18	EC310792	VFM 120PF(J) 50WV	2
9-C18	EC565830	Styrol 200PF(J) 50WV (505D)	2
9-C19,20	EC320051	Elect. 10μF 16WV	4
9-C21	EC493637	Elect. 47μF 10WV	2
9-C22	EC313108	Elect. 1μF 50WV	2
9-C23	EC336126	Elect. 47μF 25WV	2
9-C24	EC320051	Elect. 10μF 16WV	2
9-C25	EC487157	NP 0.47μF(M) 50WV	2
9-C26	EC391004	Mylar 0.0033μF(J) 50WV	2
9-C27	EC450527	Elect. 4.7μF 25WV	2
9-C28,29	EC565830	Styrol 200PF(J) 50WV	4
9-C30	EC379157	Mylar 0.033μF(J) 50WV	2
9-C31	EC320051	Elect. 10μF 16WV	2

Symbol No.	Parts No.	Description	Q'ty
		Resistor, Stopper Type	
9-R1	ER304345	Carbon RD1/4 4.7k(J)	2
9-R2	ER306887	Carbon RD1/4 15k(J)	2
9-R3	ER357570	Carbon RD1/4 150k(J)	2
9-R4	ER426857	Carbon RD1/4 270k(J)	2
9-R5	ER212264	Carbon RD1/4 22k(J)	2
9-R6	ER336442	Carbon RD1/4 10k(J)	2
9-R7	ER306843	Carbon RD1/4 1.2k(J)	2
9-R8	ER304345	Carbon RD1/4 4.7k(J)	2
9-R9	ER343078	Carbon RD1/4 2.7k(J)	2
9-R10	ER212264	Carbon RD1/4 22k(J)	2
9-R11	ER324202	Carbon RD1/4 5.1k(J)	2
9-R12	ER399060	Carbon RD1/4 9.1k(J)	2
9-R13	ER450011	Carbon RD1/4 120k(J)	2
9-R14	ER336442	Carbon RD1/4 10k(J)	2
9-R15	ER304345	Carbon RD1/4 4.7k(J)	2
9-R15	ER306887	Carbon RD1/4 15k(J) (505D) (500/D/502D-JPN)	2
9-R16	ER357412	Carbon RD1/4 220(J)	2
9-R17	ER211465	Carbon RD1/4 1k(J)	2
9-R18	ER357491	Carbon RD1/4 82k(J)	2
9-R19	ER212477	Carbon RD1/4 3.3k(J)	2
9-R20	ER213030	Carbon RD1/4 5.6k(J)	2
9-R21	ER211757	Carbon RD1/4 100k(J)	2
9-R22,23	ER213300	Carbon RD1/4 680(J)	4
9-R24	ER346601	Carbon RD1/4 47k(J)	2
9-R24	ER342933	Carbon RD1/4 27k(J) (505D) (500/D/502D-JPN)	2
9-R25	ER212264	Carbon RD1/4 22k(J)	2
9-R25	ER349907	Carbon RD1/4 33k(J) (505D) (500/D/502D-JPN)	2
9-R26	ER212681	Carbon RD1/4 330(J)	2
9-R27	ER420322	Carbon RD1/4 36k(J)	2
9-R28	ER211465	Carbon RD1/4 1k(J)	2
9-R29	ER211757	Carbon RD1/4 100k(J)	2
9-R30	ER212883	Carbon RD1/4 4.7k(J)	2
9-R31	ER213030	Carbon RD1/4 5.6k(J)	2
9-R32	ER395460	Carbon RD1/4 1.3k(J)	2
9-R33	ER211320	Carbon RD1/4 1.5k(J)	2
9-R35	ER211757	Carbon RD1/4 100k(J)	2
9-R36	ER213030	Carbon RD1/4 5.6k(J)	2
9-R37	ER212883	Carbon RD1/4 4.7k(J)	2
9-R38	ER343078	Carbon RD1/4 2.7k(J)	2
9-R39	ER357412	Carbon RD1/4 220(J)	2
9-R40	ER306887	Carbon RD1/4 15k(J)	2
9-R41	ER211757	Carbon RD1/4 100k(J)	2
9-R42	ER306360	Carbon RD1/4 6.8k(J)	2
9-R43	ER304290	Carbon RD1/4 10(J)	2
9-R44	ER211465	Carbon RD1/4 1k(J)	2
9-R45	ER343078	Carbon RD1/4 2.7k(J)	2
9-R46	ER306887	Carbon RD1/4 15k(J) (500-JPN)	2

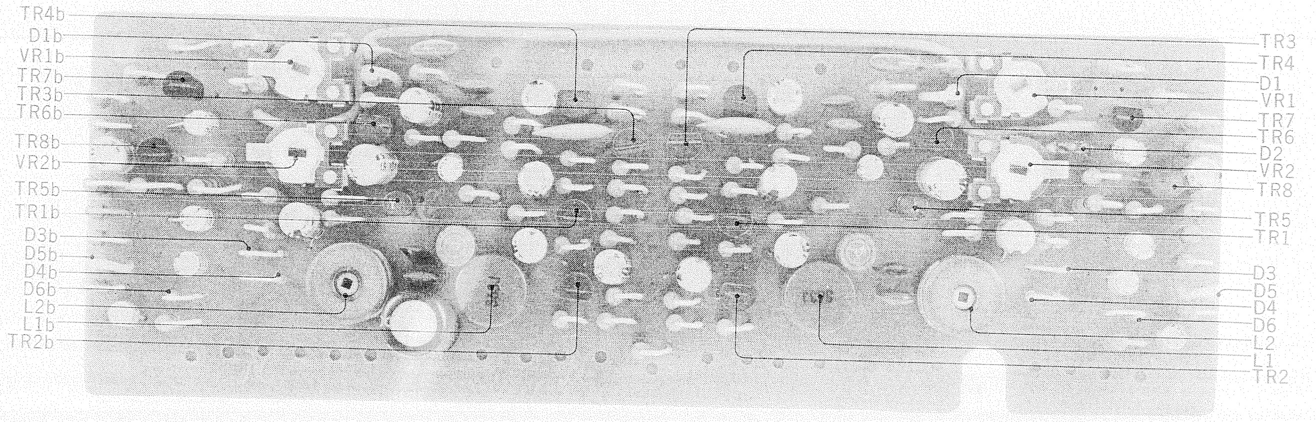
FIG. 10 PHOTO OF DOLBY P.C. BOARD (CP-5003) BLOCK



DOLBY P.C. BOARD (CP-5003) BLOCK

Symbol No.	Parts No.	Description	Q'ty
10-1x	BA572084	Dolby P.C. Board Comp. (CP-5003)	1
10-TR1,2	ET601312	Transistor 2SC1647(S) (E) (U)	4
10-TR3	ET517263	Transistor 2SC1312(G) (H)	2
10-TR4	ET520841	Transistor 2SC711(E) (F) (G)	2
10-TR5	ET491051	FET 2SK30A(GR)	2
10-TR6	ET517263	Transistor 2SC1312(G) (H)	2
10-TR7	ET557976	Transistor 2SA628(E) (F)	2
10-TR8	ET520841	Transistor 2SC711(E) (F) (G)	2
10-D1	ED219464	Germanium Diode 1N34A	2
10-D2	ED491130	Zener Diode WZ-085	2
10-D3,4	ED514721	Silicon Diode WG-599	4
10-D5	ED219464	Germanium Diode 1N34A	2
10-D6	ED514721	Silicon Diode WG-599	2
10-VR1	EV499364	Semi-fixed/Vol. V10K8-4-2 5 kB	2
10-VR2	EV499375	Semi-fixed/Vol. V10K8-4-2 500ΩB	2
10-L1	EO496350	Inductor 146LY 36MH(J)	2
10-L2	EO496361	Inductor 6070GE 23MH(J)	2
		Capacitor, Vertical Type	
10-C1	EC320051	Elect. 10μF 16WV	2
10-C3	EC379787	Mylar 0.0039μF(J) 50WV	2
10-C4	EC450055	Elect. 1μF 25WV	2
10-C5	EC250683	Mylar 0.0022μF(J) 50WV	2
10-C6,7,8	EC320051	Elect. 10μF 16WV	6
10-C9	EC321208	Elect. 220μF 16WV	1
10-C10	EC556525	FM 22PF(K) 500WV	2
10-C11	EC329883	Mylar 0.0056μF(J) 50WV	2
10-C12	EC337500	Mylar 0.0047μF(J) 50WV	2
10-C13	EC329861	Mylar 0.027μF(J) 50WV	2
10-C14	EC320051	Elect. 10μF 16WV	2
10-C15	EC251291	Mylar 0.1μF(K) 50WV	2
10-C16	EC320040	Elect. 47μF 16WV	2
10-C17	EC320051	Elect. 10μF 16WV	2
10-C18	EC251291	Mylar 0.1μF(K) 50WV	2
10-C19	EC320051	Elect. 10μF 16WV	2
10-C20,21	EC251291	Mylar 0.1μF(K) 50WV	4
10-C22	EC395504	Mylar 0.33μF(K) 50WV	2
10-C23	EC290531	VFM 100PF(K) 50WV	2
10-C24	EC357827	VFM 50PF(K) 50WV	2
		Resistor, Stopper Type	
10-R1	ER336442	Carbon RD1/4 10k(J)	2
10-R2	ER212477	Carbon RD1/4 3.3k(J)	2
10-R3	ER379631	Carbon RD1/4 300k(J)	2
10-R4	ER346601	Carbon RD1/4 47k(J)	2
10-R5	ER212477	Carbon RD1/4 3.3k(J)	2
10-R6	ER304402	Carbon RD1/4 470(J)	2
10-R7	ER211858	Carbon RD1/4 12k(J)	2
10-R8	ER211667	Carbon RD1/4 100(J)	2
10-R9	ER211858	Carbon RD1/4 12k(J)	2
10-R10	ER357456	Carbon RD1/4 2.2k(J)	2
10-R11	ER349907	Carbon RD1/4 33k(J)	2
10-R12	ER357570	Carbon RD1/4 150k(J)	2
10-R13	ER211757	Carbon RD1/4 100k(J)	2
10-R14	ER336442	Carbon RD1/4 10k(J)	2
10-R15	ER212264	Carbon RD1/4 22k(J)	2
10-R16	ER357570	Carbon RD1/4 150k(J)	2
10-R17	ER349942	Carbon RD1/4 8.2k(J)	2
10-R18	ER371946	Carbon RD1/4 2k(J)	2
10-R19	ER349907	Carbon RD1/4 33k(J)	2
10-R20	ER430301	Carbon RD1/4 820(J)	1
10-R22	ER349907	Carbon RD1/4 33k(J)	2
10-R23	ER357535	Carbon RD1/4 39k(J)	2
10-R24	ER212477	Carbon RD1/4 3.3k(J)	2
10-R25	ER357456	Carbon RD1/4 2.2k(J)	2
10-R26	ER349942	Carbon RD1/4 8.2k(J)	2
10-R27	ER306843	Carbon RD1/4 1.2k(J)	2
10-R28	ER430097	Carbon RD1/4 680k(J)	2
10-R29	ER306887	Carbon RD1/4 15k(J)	2
10-R30	ER212883	Carbon RD1/4 4.7k(J)	2
10-R31	ER336442	Carbon RD1/4 10k(J)	2
10-R32,33	ER349942	Carbon RD1/4 8.2k(J)	4
10-R34	ER349907	Carbon RD1/4 33k(J)	2
10-R35	ER450011	Carbon RD1/4 120k(J)	2
10-R36	ER346601	Carbon RD1/4 47k(J)	2
10-R37	ER343078	Carbon RD1/4 2.7k(J)	2
10-R38	ER211465	Carbon RD1/4 1k(J)	2
10-R39	ER213120	Carbon RD1/4 56(J)	2
10-R40	ER361642	Carbon RD1/4 47(J)	2
10-R41	ER306887	Carbon RD1/4 15k(J)	2
10-R42,43	ER426857	Carbon RD1/4 270k(J)	4
10-R44	ER380711	Carbon RD1/4 220k(J)	2

FIG. 11 PHOTO OF DOLBY P.C. BOARD (CH-5316) BLOCK



DOLBY P.C. BOARD (CH-5316) BLOCK

Symbol No.	Parts No.	Description	Q'ty
11-1x	BA620076	Dolby P.C. Board Comp. (CH-5316)(502D)	1
11-TR1,2	ET619637	Transistor 2SC1647(Q)(R)(S)(E)(U)	4
11-TR3	ET619648	Transistor 2SC1648(Q)(R)(S)(E)(U)	2
11-TR4	ET619637	Transistor 2SC1647(Q)(R)(S)(E)(U)	2
11-TR5	ET552870	FET 2SK30 (Y) (GR)	2
11-TR6	ET619648	Transistor 2SC1648(Q)(R)(S)(E)(U)	2
11-TR7	ET619738	Transistor 2SA628(E)(F)(G)	2
11-TR8	ET619637	Transistor 2SC1647(Q)(R)(S)(E)(U)	2
11-D1	ED562386	Germanium Diode 1S188AM	2
11-D2	ED491130	Zener Diode WZ-085	1
11-D3,4	ED560913	Silicon Diode 1S2473VE	4
11-D5	ED562386	Germanium Diode 1S188AM	2
11-D6	ED560913	Silicon Diode 1S2473VE	2
11-VR1	EV499364	Semi-fixed/Vol. V10K8-4-2 5 kB	2
11-VR2	EV499375	Semi-fixed/Vol. V10K8-4-2 500ΩB	2
11-L1	EO496350	Inductor 146LY 36MH(J)	2
11-L2	EO496361	Inductor 6070GE 23MH(J)	2
		Capacitor, Vertical Type	
11-C1	EC379787	Mylar 0.0039μF(J) 50WV	2
11-C2	EC495865	Styrol 300PF(J) 50WV	2
11-C3	EC250683	Mylar 0.0022μF(J) 50WV	2
11-C4to8	EC320051	Elect. 10μF 16WV	8
11-C9	EC321208	Elect. 220μF 16WV	1
11-C10	EC619661	Ceramic DD350 B 150PF(K) 50WV	2
11-C11	EC329883	Mylar 0.0056μF(J) 50WV	2
11-C12	EC337500	Mylar 0.0047μF(J) 50WV	2
11-C13	EC329861	Mylar 0.027μF(J) 50WV	2
11-C14	EC320051	Elect. 10μF 16WV	2
11-C15	EC251291	Mylar 0.1μF(K) 50WV	2
11-C16	EC493637	Elect. 47μF 10WV	2
11-C17	EC320051	Elect. 10μF 16WV	2
11-C18	EC251291	Mylar 0.1μF(K) 50WV	2
11-C19	EC320051	Elect. 10μF 16WV	2
11-C20,21	EC251291	Mylar 0.1μF(K) 50WV	4
11-C22	EC604102	Solid Aluminum 0.33μF(K) 25WV	2

Symbol No.	Parts No.	Description	Q'ty
		Resistor, Stopper Type	
11-R1,2	ER306360	Carbon RD1/4 6.8k(J)	4
11-R3	ER349907	Carbon RD1/4 33k(J)	2
11-R4	ER306360	Carbon RD1/4 6.8k(J)	2
11-R5	ER336442	Carbon RD1/4 10k(J)	2
11-R6,7	ER212477	Carbon RD1/4 3.3k(J)	4
11-R8	ER349907	Carbon RD1/4 33k(J)	2
11-R9	ER357570	Carbon RD1/4 150k(J)	2
11-R10	ER211757	Carbon RD1/4 100K(J)	2
11-R11	ER336442	Carbon RD1/4 10k(J)	2
11-R12	ER357570	Carbon RD1/4 150k(J)	2
11-R13	ER212264	Carbon RD1/4 22k(J)	2
11-R14	ER349942	Carbon RD1/4 8.2k(J)	2
11-R15	ER212477	Carbon RD1/4 3.3k(J)	2
11-R16	ER349907	Carbon RD1/4 33k(J)	2
11-R17	ER346601	Carbon RD1/4 47k(J)	2
11-R18	ER212477	Carbon RD1/4 3.3k(J)	2
11-R19	ER306843	Carbon RD1/4 1.2k(J)	2
11-R20	ER349942	Carbon RD1/4 8.2k(J)	2
11-R21	ER211465	Carbon RD1/4 1k(J)	1
11-R22	ER419040	Carbon RD1/4 1M(J)	2
11-R23	ER593414	Carbon RD1/4 1.8M(J)	2
11-R24	ER306887	Carbon RD1/4 15k(J)	2
11-R25	ER212883	Carbon RD1/4 4.7k(J)	2
11-R26	ER336442	Carbon RD1/4 10k(J)	2
11-R27,28	ER349942	Carbon RD1/4 8.2k(J)	4
11-R29	ER349907	Carbon RD1/4 33k(J)	2
11-R30	ER450011	Carbon RD1/4 120k(J)	2
11-R31	ER346601	Carbon RD1/4 47k(J)	2
11-R32	ER343078	Carbon RD1/4 2.7k(J)	2
11-R33	ER211465	Carbon RD1/4 1k(J)	2
11-R34	ER213120	Carbon RD1/4 56(J)	2
11-R35	ER361642	Carbon RD1/4 47(J)	2
11-R36	ER306887	Carbon RD1/4 15k(J)	2
11-R37,38	ER426857	Carbon RD1/4 270k(J)	4
11-R39	ER380711	Carbon RD1/4 220k(J)	2
11-R40	ER213467	Carbon RD1/4 820(J)	1

FIG. 12 PHOTO OF SYS. CON. P.C. BOARD (CG-1413) BLOCK

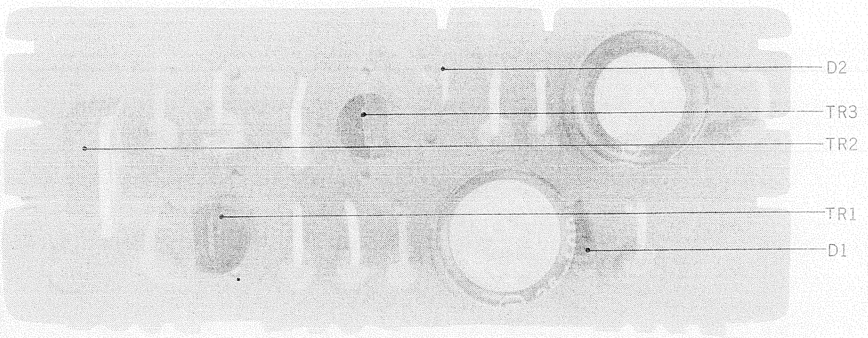

D2
TR3
TR2
TR1
D1

FIG. 13 PHOTO OF POWER SUPPLY P.C. BOARD (CG-5401) BLOCK

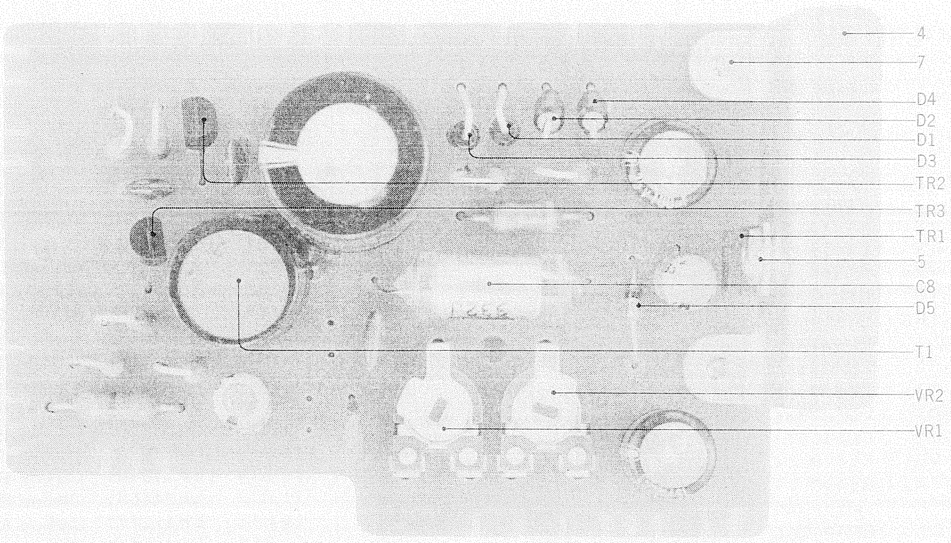
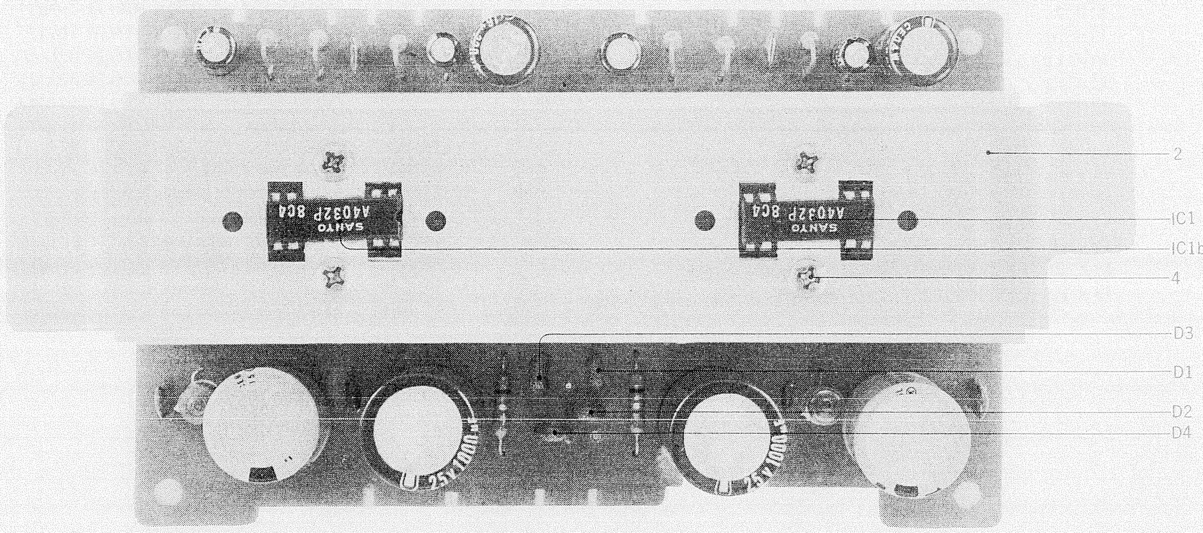

4
7
D4
D2
D1
D3
TR2
TR3
TR1
5
C8
D5
T1
VR2
VR1

FIG. 14 PHOTO OF MAIN AMP. P.C. BOARD (CG-5403) BLOCK


2
IC1
IC1b
4
D3
D1
D2
D4

SYS. CON. P.C. BOARD (CG-1413) BLOCK

Symbol No.	Parts No.	Description	Q'ty
12-1x	BA557335	Sys. Con. P.C. Board Comp. (CG-1413)	1
12-TR1	ET398777	Transistor 2SC711(G)(F)	1
12-TR2	ET517375	Transistor 2SD360(D)(E)	1
12-TR3	ET539122	Transistor 2SA733(P) (Q)(R)	1
12-D1	ED515790	Silicon Diode WG-713	1
12-D2	ED516420	Silicon Diode WG-599	1
12-C1,2	EC220151	Elect./C. 100μF 25WV (Vertical Type)	2
		Resistor, Stopper Type	
12-R1,2	ER212883	Carbon RD1/4 4.7k(J)	2
12-R3	ER212477	Carbon RD1/4 3.3k(J)	1
12-R5	ER212477	Carbon RD1/4 3.3k(J)	1
12-R6	ER212264	Carbon RD1/4 22k(J)	1
12-R7	ER346994	Carbon RD1/4 18k(J)	1
12-R8	ER357456	Carbon RD1/4 2.2k(J)	1
12-R9	ER550811	Carbon RD1/2 1.5k(J)	1
12-R10	ER430018	Carbon RD1/4 1(J)	1
12-R11	ER357456	Carbon RD1/4 2.2k(J)	1
12-R12	ER212264	Carbon RD1/4 22k(J)	1

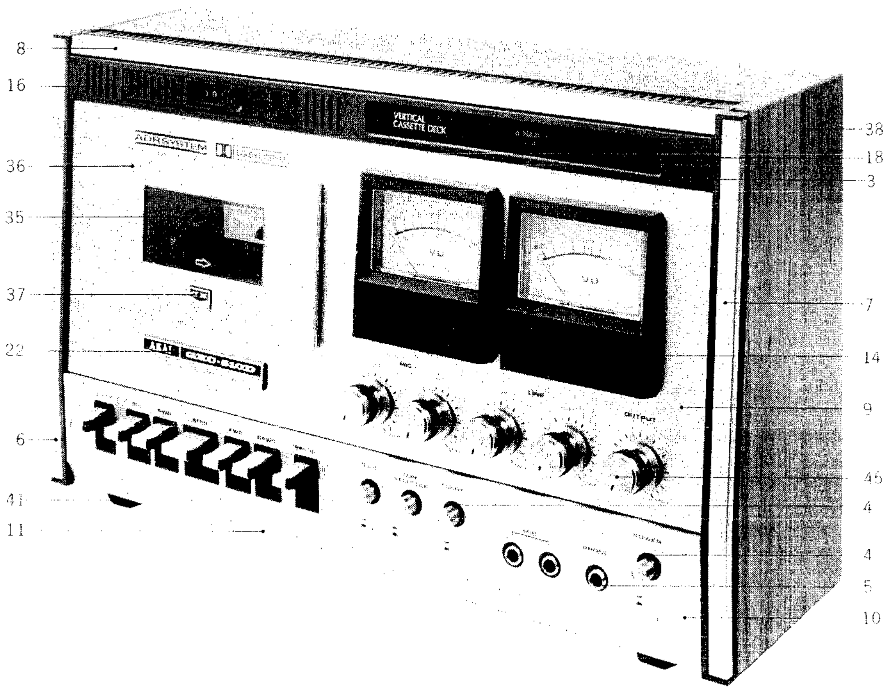
POWER SUPPLY P.C. BOARD (CG-5401) BLOCK

Symbol No.	Parts No.	Description	Q'ty
13-1x	BZ592863	Power Supply P.C. Board Comp. (CG-5401)	1
13-2x	BZ602133	Power Supply P.C. Board Comp. (CG-5401)(JPN,CEE,CSA)	1
13-3x	BA622945	Power Supply P.C. Board Comp. (CG-5401)(500/D/502D)	1
13-TR1	ET453611	Transistor 2SC1096(L)(K)(Z Type)	1
13-TR2,3	ET517994	Transistor 2SC945(P(Q)(R)(K)	2
13-D1to4	ED511097	Silicon Diode 1N4001	4
13-D5	ED498150	Zener Diode W Z-192	1
13-T1	EO496844	OSC. Coil OT-903	1
13-VR1,2	EV499882	Semi-fixed/V9l. V10K8-4-2 300 kB	2
13-4	UM518646	Heat-sink Plate B	1
13-5	ZS321298	ISO Screw, binding head 3x8	1
13-6	ZW273756	Nut M 3	1
13-7	ZS413728	Screw, binding head 3x6, w/washer	2
		Capacitor, Vertical Type	
13-C1	EC432652	Elect. 1000μF 35WV	1
13-C3,4	EC220151	Elect. 100μF 25WV	2
13-C5	EC250841	Mylar 0.01μF(J) 50WV	1
13-C6	EC220994	Elect. 10μF 25WV	1
13-C7	EC250841	Mylar 0.01μF(J) 50WV	1
13-C8	EC554602	Styrol 3300PF(J) 250WV	1
13-C9,10	EC290531	VFM 100PF(K) 50WV	2
13-C11	EC220994	Elect. 10μF 25WV	1
		Resistor, Stopper Type	
13-R1	ER520852	Carbon RD1/2 4.7(J) (Insu. Type)	1
13-R1	ER556492	Solid RD1/2 4.7(K) (500/D, 502D)	1
13-R2	ER213300	Carbon RD1/4 680(J)	1
13-R3	ER212681	Carbon RD1/4 330(J)	1
13-R4	ER430053	Carbon RD1/4 22(J)	1
13-R5	ER517397	Carbon RD1/2 220(K)	1
13-R6	ER304290	Carbon RD1/4 10(J)	1
13-R7	ER212883	Carbon RD1/4 4.7k (J)	1
13-R8	ER304290	Carbon RD1/4 10(J)	1
13-R9	ER212681	Carbon RD1/4 330(J)	1

MAIN AMP. P.C. BOARD (CG-5403) BLOCK

Symbol No.	Parts No.	Description	Q'ty
14-1x	BA559980	Mian Amp. P.C. Board Comp. (CG-5403)	1
14-IC1	EI517342	I.C. Power Amp. LA-4032P	2
14-D1to4	ED511097	Silicon Diode 1N4001	4
14-2	EZ542035	Heat-sink B	1
14-3	UM518668	I.C. Retaining Metal	1
14-4	ZS417194	Screw, binding head 3x10	4
14-5	ZW273756	Nut M3	4
		Capacitor, Vertical Type	
14-C1	EC320051	Elect. 10μF 16WV	2
14-C2	EC450066	Elect. 33μF 16WV	2
14-C3	EC321208	Elect. 220μF 16WV	2
14-C4	EC250661	Mylar 0.0015μF(K) 50WV	2
14-C5	EC362158	Mylar 0.0047μF(K) 50WV	2
14-C6	EC515834	Styrol 560PF(K) 50WV	2
14-C7	EC450270	Elect. 1000μF 25WV	2
14-C8	EC336148	Elect. 1000μF 16WV	2
14-C9	EC250885	Mylar 0.01μF(K) 50WV	2
		Resistor, Stopper Type	
14-R1	ER212681	Carbon RD1/4 330(J)	2
14-R2	ER517320	Carbon RD1/4 0.5(J)	2
14-R3	ER336442	Carbon RD1/4 10k(J)	2
14-R4	ER306887	Carbon RD1/4 15k(J)	2

FIG. 15 PHOTO OF FINAL ASSEMBLY BLOCK



FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	FRONT PANEL BLOCK			
15-1x	BZ592694	Front Panel Block Comp.	CH-1	1
15-2x	BZ592705	Front Panel Block Comp. (505D)	CH-2	1
15-3	SP596520	Front Panel	CH-6001	1
15-4	SE598803	SW. Collar B	LF-5301	4
15-5	UM586822	Mic Jack Color	CH-6015	3
15-6	SE596417	Sash (Left)	CH-6002	1
15-7	SE596428	Sash (Right)	CH-6002	1
15-8	SP586901	Case Panel 1	CH-6003	1
15-9	SP596507	Case Panel 2	CH-6004	1
15-10	SP596518	Case Panel 3	CH-6006	1
15-11	SP586912	Case Panel 4	CH-6008	1
15-12x	SP586361	Case Panel 5 (505D)	CH-6201	1
15-13x	SP598465	Case Panel 6 (505D)	CH-6203	1
15-14	SE596430	Meter Escutcheon	CH-6016	2
15-15x	ZW618884	Nut M2 #1		8
15-16	SM586923	Counter Name Plate A	CH-6009	1
15-17x	UM586855	Tape Run Lens	CH-6010	1
15-18	UM586811	Mode Plate	CH-6014	1
15-19x	MZ598713	Mode Plate B (505D)	CH-6014	1
15-20x	MZ598792	Plate Retainer	CH-6032	1
15-21x	ZS432674	Screw, pan head 3x3		2
15-22	SM586787	GXC-510D Name Plate	CH-6023	1
	FRONT CASE BLOCK			
15-23x	BC619885	Front Case Block Comp. (500)	CH-3	1
15-24x	BC619896	Front Case Block Comp. (500D)	CH-3	1
15-25x	BC619907	Front Case Block Comp. (502D)	CH-3	1
15-26x	UM612281	Front Case 1 (502D)	CH-6301	1
15-27x	UM612292	Front Case 2 (500/D)	CH-6301	1
15-28x	SP612270	Upper Panel (500)	CH-6309	1
15-29x	SP612516	Upper Panel B (500D)	CH-6309	1
15-30x	SP612404	Upper Panel C (502D)	CH-6309	1
15-31x	SE612224	Sash	CH-6305	1
15-32x	SE612055	Lamp Lens A (Red)	CH-6314	1
15-33x	SE612077	Lamp Lens B (Orange)	CH-6314	1
15-34x	UM494267	Lamp Cover	CG-2206	2
	ASSEMBLY BLOCK			
15-35	SZ596441	Lid Case	CH-6017	1
15-36	SP596452	Lid Panel	CH-6018	1
15-37	SM518310	Name Plate (GX) B	CG-6411	1
15-38	SC596531	Case	CH-6021	1
15-39x	BC612235	Case	CH-6306	1
15-40x	SP612213	Rear Cover	CH-6311	1
15-41	UM586776	Rubber Foot	CH-6022	2
15-42x	ZS462802	Tapping Screw #2 3x15 (BR)		7
15-43x	ZS608973	Tapping Screw #2 3x20 oval countersunk		2
15-44x	ZW259571	Washer D3.4x13x1t		1
15-45	SK586844	Single Knob 2	CH-6020	5
15-46x	SK548662	Volume Knob Comp. (505D)	MU-6219	2
15-47x	SK612156	Single Knob (1) (502D,500D)	CH-6307	2
15-48x	SK612033	Double Knob (Upper) (500)	CH-6312	2
15-49x	SK612044	Double Knob (Lower) (500)	CH-6313	2
15-50x	SM598566	Rear Name Plate GXC-510D	CG-6510	1
15-51x	SM598555	Rear Name Plate GXC-505D	CG-6212	1
15-52x	SM614261	Rear Name Plate GXC-500	CG-6212	1
15-53x	SM614272	Rear Name Plate GXC-500D	CG-6212	1
15-54x	SM614283	Rear Name Plate GXC-502D	CG-6510	1
15-55x	SC598406	Cycle Cover	CH-6030	1
15-56x	ZS324448	Tapping Screw #1 3x10 (truss) (black)		2
15-57x	UM609974	Retaining Metal Parts	CH-6038	2
15-58x	SA522854	Rubber Foot LSR-15D	PX-3008	2
15-59x	ZW272756	Nut M3		2
15-60x	ZW616004	Washer D3.2x8x1t		2
15-61x	ZW419670	ISO Screw, pan head 3x12		2
15-62x	EF563670	Fuse 0.5A 250V	39-1-50	2

INDEX

Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.
AA596485	7-50	EC320051	10-C6,7,8	EF591535	7-29x	ER212883	10-R30	ER357456	12-R8
BA557335	12-1x	EC320051	10-C14	EF591535	8-17x	ER212883	11-R25	ER357456	12-R11
BA559980	14-1x	EC320051	10-C17	EF592514	8-16x	ER212883	12-R1,2	ER357491	9-R18
BA572084	10-1x	EC320051	10-C19	EF601942	8-20x	ER212883	13-R7	ER357535	10-R23
BA592784	9-1x	EC320051	11-C4to8	EF601953	8-21x	ER213030	9-R20	ER357570	9-R3
BA592795	9-2x	EC320051	11-C14	EF601964	8-22x	ER213030	9-R31	ER357570	10-R12
BA619942	9-3x	EC320051	11-C17	EF601986	7-28x	ER213030	9-R36	ER357570	10-R16
BA619953	9-4x	EC320051	11-C19	EF601986	8-19x	ER213120	10-R39	ER357570	11-R9
BA620076	11-1x	EC320051	14-C1	EI517342	14-1C1	ER213120	11-R34	ER357570	11-R12
BA622945	13-3x	EC321208	10-C9	EJ233370	8-8	ER213300	9-R22,23	ER361642	10-R40
BC612235	15-39x	EC321208	11-C9	EJ331380	8-32	ER213300	13-R2	ER361642	11-R35
BC619885	15-23x	EC321208	14-C3	EJ432088	8-48	ER213467	11-R40	ER364983	7-39x
BC619896	15-24x	EC329861	10-C13	EJ510333	6-69x	ER213715	7-12x	ER371946	10-R18
BC619907	15-25x	EC329861	11-C13	EJ514822	5-75x	ER304290	9-R43	ER379631	10-R3
BH592751	1-1x	EC329883	10-C11	EJ555862	8-2x	ER304290	13-R6	ER380711	10-R44
BK592380	5-64	EC329883	11-C11	EJ592435	7-33	ER304290	13-R8	ER380711	11-R39
BK619716	5-65x	EC336126	9-C23	EJ592481	8-1	ER304345	9-R1	ER395460	9-R32
BM451675	2-1x	EC336148	14-C8	EJ592503	8-11x	ER304345	9-R8	ER399060	9-R12
BM510107	2-17x	EC337500	10-C12	EJ601481	7-36	ER304345	9-R15	ER419040	11-R22
BM510118	2-18x	EC337500	11-C12	EJ606093	8-13x	ER304402	10-R6	ER420322	9-R27
BR616026	3-1x	EC357827	10-C24	EJ618524	6-70x	ER306360	9-R42	ER426857	9-R4
BR616037	3-2x	EC362158	14-C5	EJ618805	7-27x	ER306360	11-R1,2	ER426857	10-R42,43
BT517274	9-T1	EC379157	9-C30	EL368774	7-7	ER306360	11-R4	ER426857	11-R37,38
BT592470	8-23	EC379787	10-C3	EL400746	7-55x	ER306843	9-R7	ER430018	12-R10
BT592525	8-24x	EC379787	11-C1	EL603268	5-51	ER306843	10-R27	ER430053	13-R4
BT601997	8-26x	EC389485	9-C9	EL603268	7-5	ER306843	11-R19	ER430097	10-R28
BT602008	8-25x	EC391004	9-C26	EL603268	7-6x	ER306887	9-R2	ER430301	10-R20
BT619773	8-27x	EC393671	6-32	EL603268	7-47x	ER306887	9-R15	ER440921	8-3x
BT622113	8-28x	EC395504	10-C2	EM573748	7-66	ER306887	9-R40	ER450011	9-R13
BZ459966	6-1x	EC399565	9-C15	EM619705	7-67x	ER306887	9-R46	ER450011	10-R35
BZ592154	6-18x	EC405898	9-C2	EO243988	9-L3	ER306887	10-R29	ER450011	11-R30
BZ592694	15-1x	EC412582	6-33x	EO368403	9-L1	ER306887	10-R41	ER517320	14-R2
BZ592705	15-2x	EC432652	14-C1	EO368403	9-L2	ER306887	11-R24	ER517397	13-R5
BZ592738	4-1x	EC432810	9-C7	EO368403	9-L4,5	ER306887	11-R36	ER520852	13-R1
BZ592740	5-6x	EC450055	10-C4	EO368403	9-L5	ER306887	14-R4	ER529975	8-4x
BZ592762	5-1x	EC450066	14-C2	EO483827	9-L1	ER315213	8-5x	ER550811	12-R9
BZ592773	5-12x	EC450270	14-C7	EO496350	10-L1	ER324202	9-R11	ER556492	13-R1
BZ592841	7-1x	EC450527	9-C11	EO496350	11-L1	ER329308	7-14x	ER593414	11-R23
BZ592852	7-2x	EC450527	9-C27	EO496361	10-L2	ER336442	9-R6	ES246025	7-57
BZ592863	13-1x	EC483366	9-C4	EO496361	11-L2	ER336442	9-R14	ES469541	7-21x
BZ602133	13-2x	EC487157	9-C25	EO496844	13-T1	ER336442	10-R1	ES477966	5-54
EA516047	6-64	PC493637	9-C6	EP494425	5-59	ER336442	10R14	ES477966	6-71
BA586732	5-50	EC493637	9-C14	ER211320	9-R33	ER336442	10-R31	ES479507	6-35
EA586743	7-4	EC493637	9-C17	ER211465	9-R17	ER336442	11-R5	ES494076	9-SW1
EA586765	7-10	EC493637	9-C21	ER211465	9-R28	ER336442	11-R11	ES516036	6-63
EA606565	8-10x	EC493637	11-C16	ER211465	9-R44	ER336442	11-R26	ES539043	6-53
EA612180	5-74x	EC495865	11-C2	ER211465	10-R38	ER336442	14-R3	ES573671	7-42x
EA614788	7-25x	EC513990	9-C3	ER211465	11-R21	ER342933	9-R24	ES573671	7-74x
EC220127	9-C10	EC514743	5-77x	ER211465	11-R33	ER343078	9-R9	ES592446	7-73
EC220151	12-C1, 2	EC515834	14-C6	ER211667	10-R8	ER343078	9-R38	ES619683	7-41x
EC220151	13-C3,4	EC551160	7-23x	ER211757	9-R21	ER343078	9-R45	ES621178	7-58x
EC220994	13-C6	EC551160	7-61	ER211757	9-R29	ER343078	10-R37	ES621178	7-59x
EC220994	13-C11	EC554602	13-C8	ER211757	9-R35	ER343078	11-R32	ET391768	9-TR1,2
EC250661	14-C4	EC556525	10-C10	ER211757	9-R41	ER345712	7-13	ET398777	12-TR1
EC250683	9-C8	EC565830	9-C13	ER211757	10R13	ER345712	8-6x	ET453611	13-TR1
EC250683	10-C5	EC565830	9-C18	ER211757	11-R10	ER346601	9-R24	ET491051	10-TR5
EC250683	11-C3	EC565830	9-C28,29	ER211858	10R7	ER346601	10-R4	ET517263	9-TR3
EC250841	13-C5	EC604102	11-C22	ER211858	10-R9	ER346601	10-R36	ET517263	10-TR3
EC250841	13-C7	EC619661	11-C10	ER212264	9-R5	ER346601	11-R17	ET517263	10-TR6
EC250885	14-C9	ED219464	9-D1,D2	ER212264	9-R10	ER346601	11-R31	ET517375	12-TR2
EC251291	10-C15	ED219464	10-D1	ER212264	9-R25	ER346994	12-R7	ET517994	13-TR2,3
EC251291	10-C18	ED219464	10-D5	ER212264	10-R15	ER349907	9-R25	ET520841	9-TR4to8
EC251291	10-C20,21	ED491130	10-D2	ER212264	11-R13	ER349907	10-R11	ET520841	10-TR4
EC251291	11-C15	ED491130	11-D2	ER212264	12-R6	ER349907	10-R19	ET520841	10-TR8
EC251291	11-C18	ED494583	5-63x	ER212264	12-R12	ER349907	10-R22	ET539122	12-TR3
EC251291	11-C20,21	ED498150	13-D5	ER212477	9-R19	ER349907	10-R34	ET552870	11-TR5
EC290531	10-C23	ED511097	13-D1to4	ER212477	10-R2	ER349907	11-R3	ET557976	10-TR7
EC290531	13-C9,10	ED511097	14-D1to4	ER212477	10-R5	ER349907	11-R8	ET601312	10TR1,2
EC290564	6-66x	ED514721	10D3,4	ER212477	10-R24	ER349907	11-R16	ET603257	9-TR1,2
EC310792	9-C18	ED514721	10-D6	ER212477	11-R6,7	ER349907	11-R29	ET619637	11-TR1,2
EC313108	9-C22	ED515790	12-D1	ER212477	11-R15	ER349942	10-R17	ET619637	11-TR4
EC320040	10-C16	ED516420	12-D2	ER212477	11-R18	ER349942	10-R26	ET619637	11-TR8
EC320051	9-C1	ED560913	9-D3to8	ER212477	12-R3	ER349942	10-R32,33	ET619648	11-TR3
EC320051	9-C5	ED560913	11-D3,4	ER212477	12-R5	ER349942	11-R14	ET619648	11-TR6
EC320051	9-C12	ED560913	11-D6	ER212681	9-R26	ER349942	11-R20	ET619738	11-TR7
EC320051	9-C16	ED562386	11-D1	ER212681	13-R3	ER349942	11-R27,28	EV445590	7-17x
EC320051	9-C19,20	ED562386	11-D5	ER212681	13-R9	ER357412	9-R16	EV445590	7-48x
EC320051	9-C24	EF563670	8-15	ER212681	14-R1	ER357412	9-R39	EV499364	10-VR1
EC320051	9-C31	EF563670	15-62x	ER212883	9-R30	ER357456	10-R10	EV499364	11-VR1
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EV592468	7-15
EV619694	7-49x
EW315448	8-38x
EW486797	8-40x
EW516600	8-39x
EW524845	8-37x
EW540123	8-36x
EZ225101	7-34
EZ235113	8-52x
EZ246936	8-35x
EZ382263	8-34
EZ481296	8-50
EZ486617	8-29
EZ542035	14-2
EZ595653	6-73
EZ596283	6-31
EZ621415	7-26x
HE515992	1-21
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MC592367	5-46
MH595530	4-3
MH607241	5-62x
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ML595574	4-8
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ML596046	5-34
ML596057	5-21
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MZ596035	5-47
MZ596070	5-27
MZ596081	5-7
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MZ596193	5-42
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MZ596237	5-44
MZ596248	5-43
MZ596250	7-65
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MZ596272	8-55
MZ596294	6-34
MZ596305	6-37x
MZ596305	8-56
MZ596340	5-60
MZ596395	7-9
MZ596463	5-20
MZ596496	8-7
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MZ598792	15-20x
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SE595708	5-19x
SE596417	15-6
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SE596430	15-14
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SE612055	15-32x
SE612077	15-33x
SE612224	15-31x
SE615374	7-68x
SE625061	7-53x
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SK531224	7-76x
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SK586864	15-45
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SK612156	15-47x
SM518310	15-37
SM586787	15-22
SM586923	15-16
SM596406	8-41x
SM598555	15-51x
SM598566	15-50x
SM598577	8-43x
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UM596327	6-76
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UM596474	4-15
UM606420	7-71x
UM609963	4-16
UM609974	15-57x
UM612022	7-72x
UM612066	8-51x
UM612088	6-87x
UM612090	5-76x
UM612101	7-70x
UM612112	7-54x
UM612123	7-46x
UM612145	7-20x
UM612246	7-30x
UM612257	7-31x
UM612268	7-52x
UM612281	15-26x
UM612292	15-27x
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ZS461395	1-15
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ZS462802	15-42x
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ZS462947	6-68
ZS465298	6-72
ZS478697	6-26
ZS487091	5-55
ZS516205	8-49
ZS533564	4-18
ZS590804	6-40
ZS592378	5-61
ZS592402	4-19
ZS592536	8-54x
ZS593201	2-10
ZS608973	15-43x
ZW224976	7-37
ZW259571	15-44x
ZW259795	6-10
ZW259885	5-26
ZW260280	7-18x
ZW270088	1-8
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ZW270088	4-12
ZW270088	5-11
ZW270101	2-4
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ZW270123	6-4
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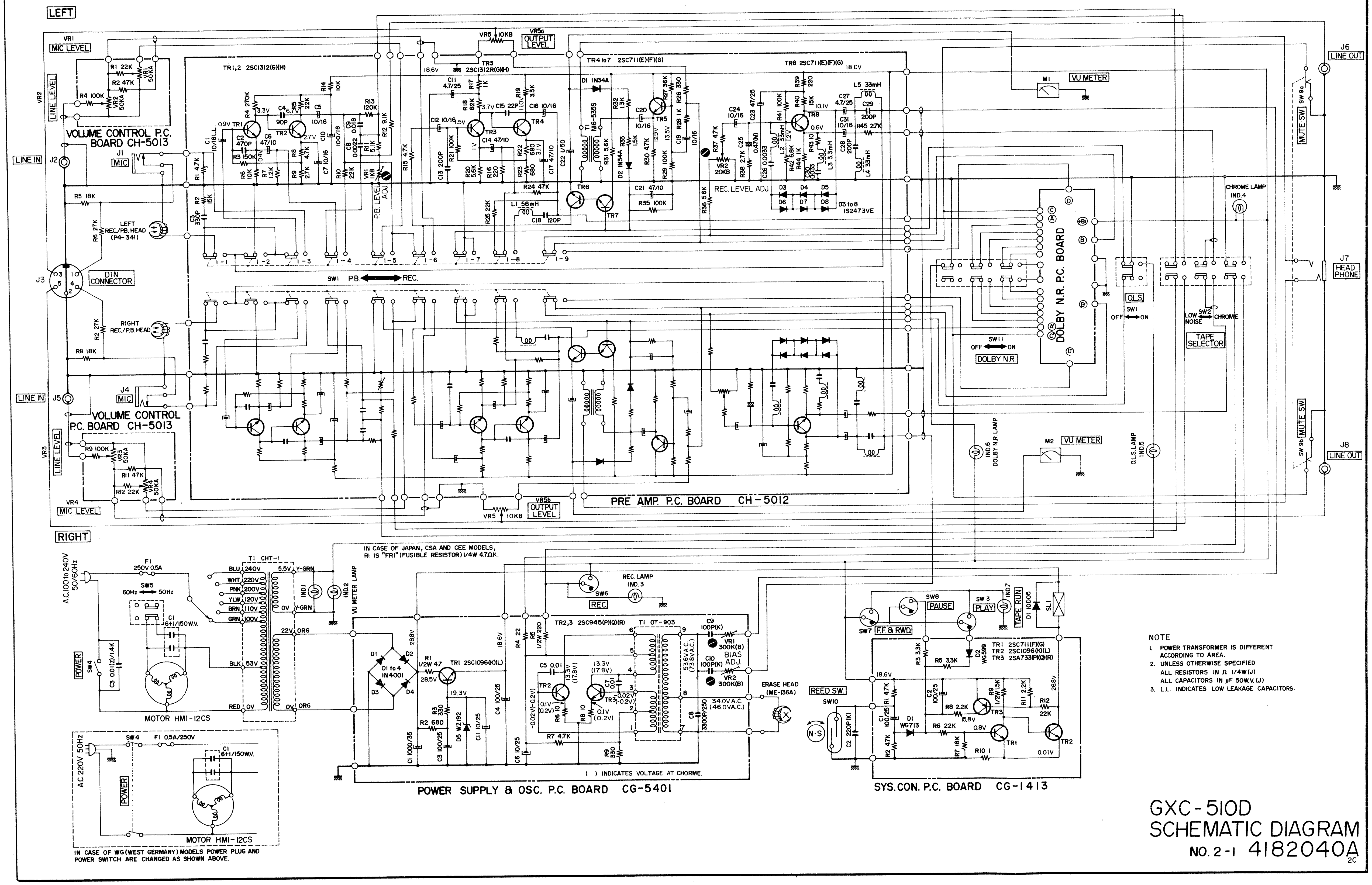
ZW273756	2-26x
ZW273756	4-4
ZW273756	13-6
ZW273756	14-5
ZW273778	2-12
ZW273778	7-45x
ZW273881	8-53x
ZW290283	5-24
ZW290283	6-12
ZW290283	6-44
ZW316800	1-18
ZW330456	7-40x
ZW355307	3-16
ZW364342	3-4
ZW381644	6-23x
ZW391397	1-6
ZW391397	6-13
ZW396415	2-2
ZW396426	2-3
ZW402322	2-9
ZW413256	1-23
ZW414235	1-12
ZW414246	1-13
ZW417161	1-17
ZW417161	5-52
ZW417161	6-47
ZW419670	15-61x
ZW421007	6-11
ZW424495	5-10
ZW461248	6-61x
ZW474581	6-14
ZW474592	6-15
ZW474603	6-17
ZW478991	6-85
ZW516251	6-67
ZW530504	6-62x
ZW554624	7-38
ZW582476	7-77
ZW592391	4-13
ZW595697	5-18
ZW601762	3-12x
ZW615216	3-13
ZW615227	3-14
ZW615238	6-80
ZW615240	6-81
ZW616004	15-60x
ZW618884	15-15x


LEFT
RIGHT
VOLUME CONTROL P.C. BOARD CH-5013
PRE AMP. P.C. BOARD CH-5012
DOLBY N.R. P.C. BOARD
POWER SUPPLY & OSC. P.C. BOARD CG-5401
SYS.CON. P.C. BOARD CG-1413
VR1 MIC LEVEL
VR2 LINE LEVEL
VR3 LINE LEVEL
VR4 MIC LEVEL
VR5 10KB
VR5a OUTPUT LEVEL
VR5b OUTPUT LEVEL
LINE IN J2
LINE IN J5
J1 MIC
J4 MIC
J3 DIN CONNECTOR
LEFT REC/PB HEAD (P4-341)
RIGHT REC/P.B. HEAD
TR1,2 2SC1312(G)(H)
TR3 2SC1312R(G)(H)
TR4 to 7 2SC711(E)(F)(G)
TR8 2SC711(E)(F)(G)
D1 IN34A
D2 IN34A
D3 to 8 1S2473VE
T1 NB-5355
REC LEVEL ADJ.
P.B LEVEL ADJ.
SW1 P.B. REC.
M1 VU METER
M2 VU METER
J6 LINE OUT
J7 HEAD PHONE
J8 LINE OUT
SW 9a MUTE SW
SW 9b MUTE SW
CHROME LAMP IND.4
OLS SW1 OFF ON
SW11 OFF ON DOLBY N.R.
LOW NOISE SW2 CHROME TAPE SELECTOR
IND.6 DOLBY N.R. LAMP
O.L.S. LAMP IND.5
A.C.100 to 240V 50/60Hz
F1 250V 0.5A
SW5 60Hz 50Hz
C1 6+1/150W.V.
POWER SW4
C3 0.01(12)/1.4K
MOTOR HM1-12CS
T1 CHT-1
BLU 240V
WHT 220V
PNK 200V
YLW 120V
BRN 110V
GRN 0V
BLK 53V
RED 0V
5.5V Y-GRN
0V Y-GRN
22V ORG
0V ORG
IND.1
IND.2 VU METER LAMP
D1 to 4 IN4001
TR1 2SC1096(K)(L)
TR2,3 2SC945(P)(Q)(R)
T1 OT-903
VR1 300K(B)
VR2 300K(B)
BIAS ADJ.
ERASE HEAD (ME-136A)
( ) INDICATES VOLTAGE AT CHORME.
SW6 REC
REC.LAMP IND.3
SW7 F.F & RWD.
SW8 PAUSE
SW 3 PLAY
IND.7 TAPE RUN
D1 10D05
SL1
REED SW. SW10
TR1 2SC711(F)(G)
TR2 2SC1096(K)(L)
TR3 2SA733(P)(Q)(R)
A.C.220V 50Hz
SW4
F1 0.5A/250V
C1 6+1/150W.V.
POWER
MOTOR HM1-12CS

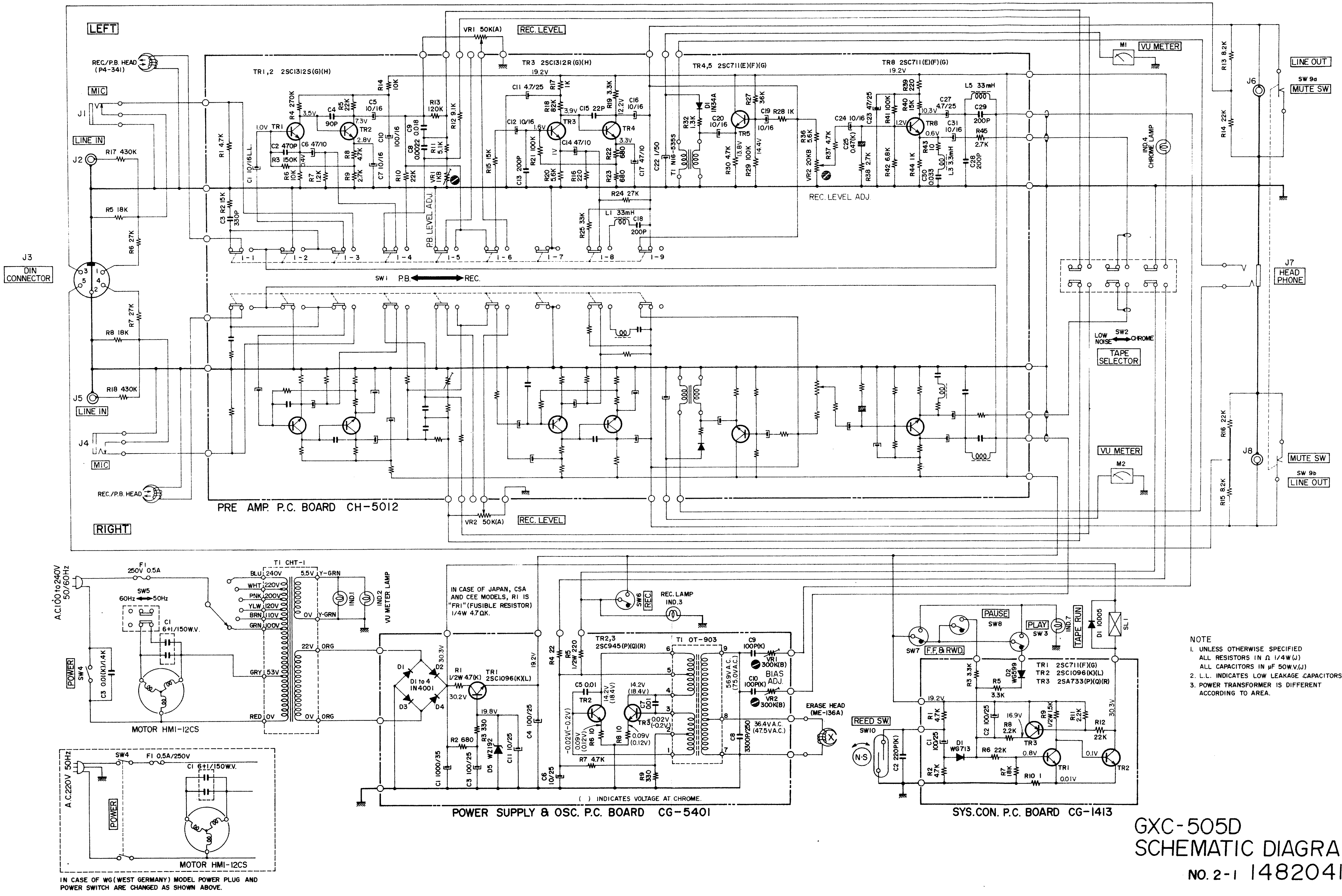
IN CASE OF JAPAN, CSA AND CEE MODELS,
R1 IS "FR1" (FUSIBLE RESISTOR) 1/4W 4.7ΩK.

IN CASE OF WG (WEST GERMANY) MODELS POWER PLUG AND POWER SWITCH ARE CHANGED AS SHOWN ABOVE.

NOTE

1. POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA.
2. UNLESS OTHERWISE SPECIFIED
   ALL RESISTORS IN Ω 1/4W (J)
   ALL CAPACITORS IN μF 50W.V. (J)
3. L.L. INDICATES LOW LEAKAGE CAPACITORS.

GXC-510D
SCHEMATIC DIAGRAM
NO. 2-1 4182040A
2C

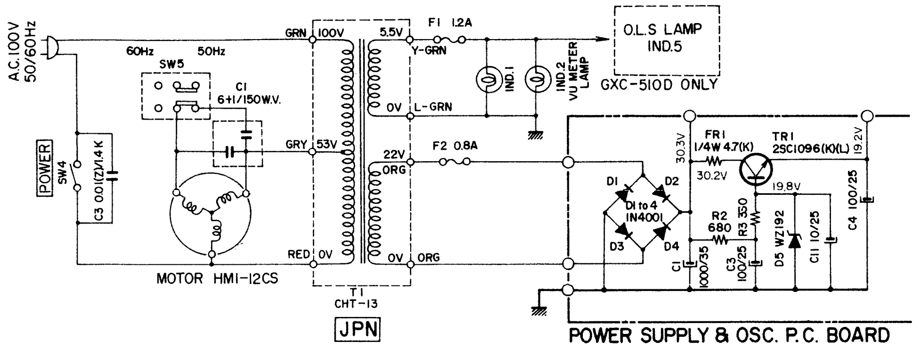

LEFT
RIGHT
REC./P.B. HEAD (P4-341)
MIC
J1
LINE IN
J2
R17 430K
R5 18K
R6 27K
J3
DIN CONNECTOR
R7 27K
R8 18K
R18 430K
J5
LINE IN
J4
MIC
REC./P.B. HEAD
TR1,2 2SC1312S(G)(H)
TR3 2SC1312R(G)(H)
TR4,5 2SC711(E)(F)(G)
TR8 2SC711(E)(F)(G)
VR1 50K(A)
REC. LEVEL
19.2V
PB LEVEL ADJ.
REC. LEVEL ADJ.
T1 N16-5355
D1 1N34A
L5 33mH
L1 33mH
SW1 P.B. REC.
PRE AMP. P.C. BOARD CH-5012
VR2 50K(A)
REC. LEVEL
M1
VU METER
M2
VU METER
IND.4 CHROME LAMP
LOW NOISE SW2 CHROME
TAPE SELECTOR
J6
J7
HEAD PHONE
J8
R13 8.2K
R14 22K
R16 22K
R15 8.2K
LINE OUT
SW 9a
MUTE SW
MUTE SW
SW 9b
LINE OUT
A.C.100 to 240V 50/60Hz
F1 250V 0.5A
SW5 60Hz 50Hz
C1 6+1/150W.V.
POWER
SW4
C3 0.01(K)/1.4K
MOTOR HM1-12CS
T1 CHT-1
BLU 240V
WHT 220V
PNK 200V
YLW 120V
BRN 110V
GRN 100V
GRY 53V
RED 0V
5.5V Y-GRN
0V Y-GRN
22V ORG
0V ORG
IND1
IND2
VU METER LAMP
A.C.220V 50Hz
SW4
F1 0.5A/250V
C1 6+1/150W.V.
POWER
MOTOR HM1-12CS
IN CASE OF WG (WEST GERMANY) MODEL POWER PLUG AND POWER SWITCH ARE CHANGED AS SHOWN ABOVE.
IN CASE OF JAPAN, CSA AND CEE MODELS, R1 IS "FR1" (FUSIBLE RESISTOR) 1/4W 47Ω K.
D1 to 4 1N4001
R1 1/2W 47(K)
TR1 2SC1096(KXL)
30.3V
30.2V
19.8V
D5 WZ192
SW6
REC
REC. LAMP IND.3
TR2,3 2SC945(P)(Q)(R)
T1 OT-903
VR1 300K(B)
BIAS ADJ.
VR2 300K(B)
56V A.C. (75.0V A.C.)
36.4V A.C. (47.5V A.C.)
ERASE HEAD (ME-136A)
( ) INDICATES VOLTAGE AT CHROME.
POWER SUPPLY & OSC. P.C. BOARD CG-5401
PAUSE
SW8
PLAY
SW3
IND.7
TAPE RUN
D1 10D05
SL1
SW7
F.F. & RWD.
TR1 2SC711(F)(G)
TR2 2SC1096(K)(L)
TR3 2SA733(P)(Q)(R)
D2 WZ059
D1 WG713
REED SW
SW10
N·S
C2 220P(K)
TR1
TR2
TR3
SYS.CON. P.C. BOARD CG-1413

NOTE
1. UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W(J)
ALL CAPACITORS IN μF 50WV.(J)
2. L.L. INDICATES LOW LEAKAGE CAPACITORS.
3. POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA.

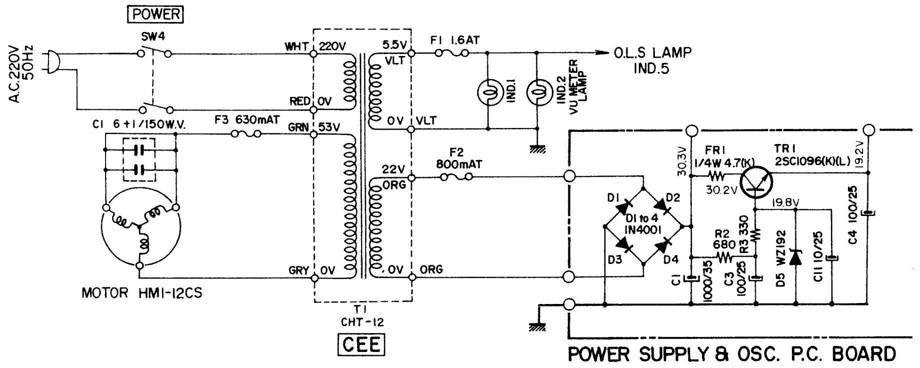
GXC-505D
SCHEMATIC DIAGRAM

NO. 2-1 1482041A

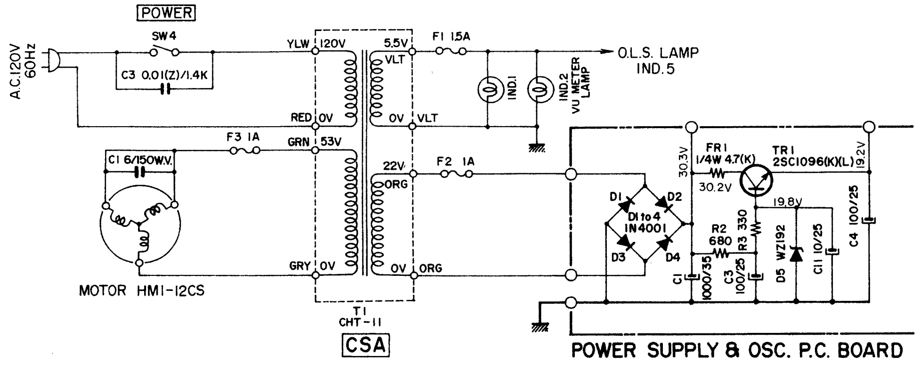
2C



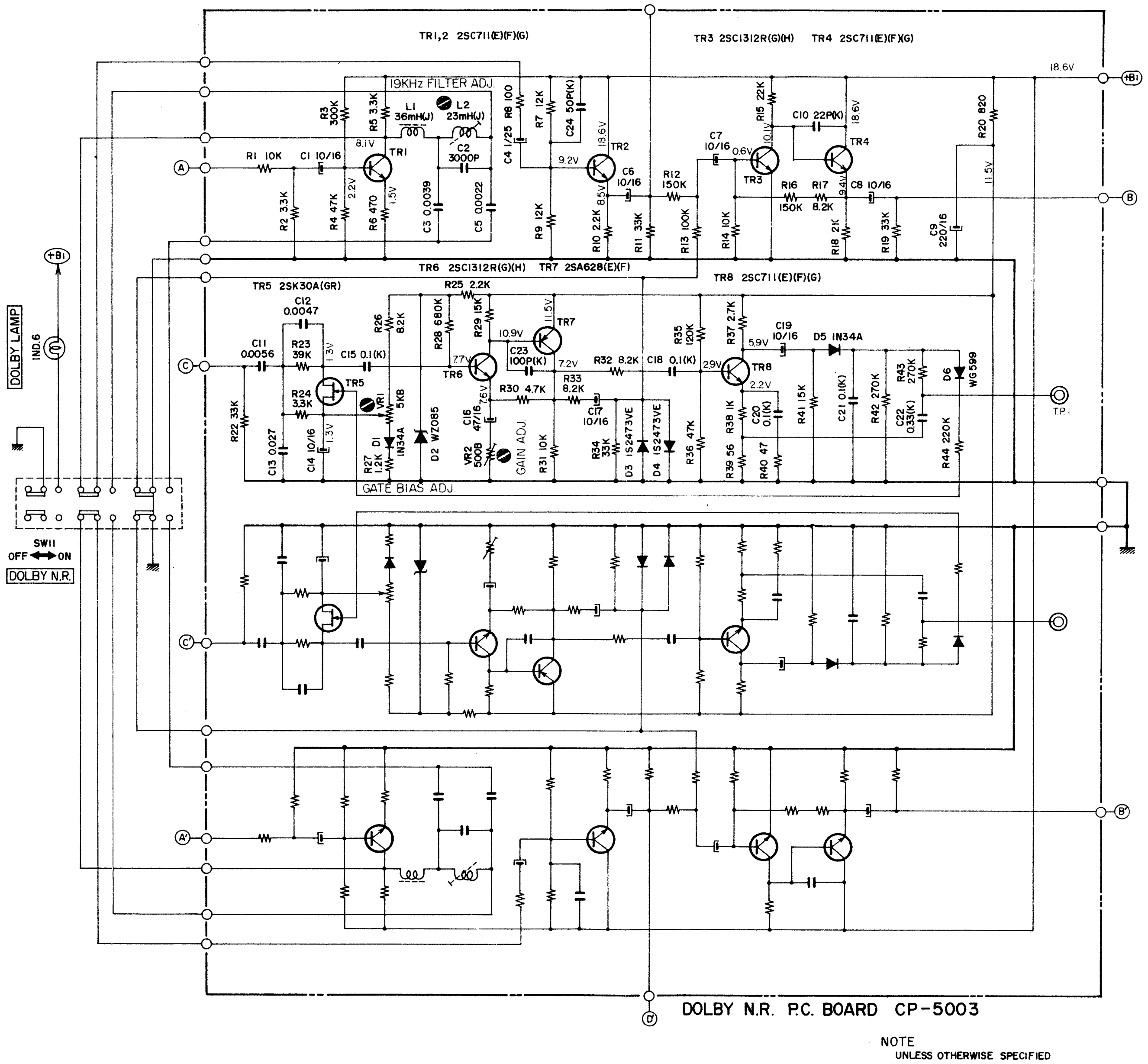
A.C.100V 50/60Hz
POWER
SW4
C3 0.01(Z)/1.4K
SW5
60Hz
50Hz
C1 6+1/150W.V.
MOTOR HM1-12CS
GRN 100V
GRY 53V
RED 0V
T1 CHT-13
5.5V Y-GRN
0V L-GRN
22V ORG
0V ORG
F1 1.2A
F2 0.8A
IND.1
IND.2 VU METER LAMP
O.L.S LAMP IND.5
GXC-510D ONLY
FR1 1/4W 4.7(K)
TR1 2SC1096(K)(L)
D1 to 4 1N4001
R2 680
R3 330
C1 1000/35
C3 100/25
D5 WZ192
C11 10/25
C4 100/25
30.3V
30.2V
19.8V
19.2V
JPN
POWER SUPPLY & OSC. P.C. BOARD



A.C.220V 50Hz
POWER
SW4
C1 6+1/150W.V.
F3 630mAT
MOTOR HM1-12CS
WHT 220V
RED 0V
GRN 53V
GRY 0V
T1 CHT-12
5.5V VLT
0V VLT
22V ORG
0V ORG
F1 1.6AT
F2 800mAT
IND.1
IND.2 VU METER LAMP
O.L.S LAMP IND.5
FR1 1/4W 4.7(K)
TR1 2SC1096(K)(L)
D1 to 4 1N4001
R2 680
R3 330
C1 1000/35
C3 100/25
D5 WZ192
C11 10/25
C4 100/25
30.3V
30.2V
19.8V
19.2V
CEE
POWER SUPPLY & OSC. P.C. BOARD



A.C.120V 60Hz
POWER
SW4
C3 0.01(Z)/1.4K
C1 6/150W.V.
F3 1A
MOTOR HM1-12CS
YLW 120V
RED 0V
GRN 53V
GRY 0V
T1 CHT-11
5.5V VLT
0V VLT
22V ORG
0V ORG
F1 1.5A
F2 1A
IND.1
IND.2 VU METER LAMP
O.L.S. LAMP IND.5
FR1 1/4W 4.7(K)
TR1 2SC1096(K)(L)
D1 to 4 1N4001
R2 680
R3 330
C1 1000/35
C3 100/25
D5 WZ192
C11 10/25
C4 100/25
30.3V
30.2V
19.8V
19.2V
CSA
POWER SUPPLY & OSC. P.C. BOARD



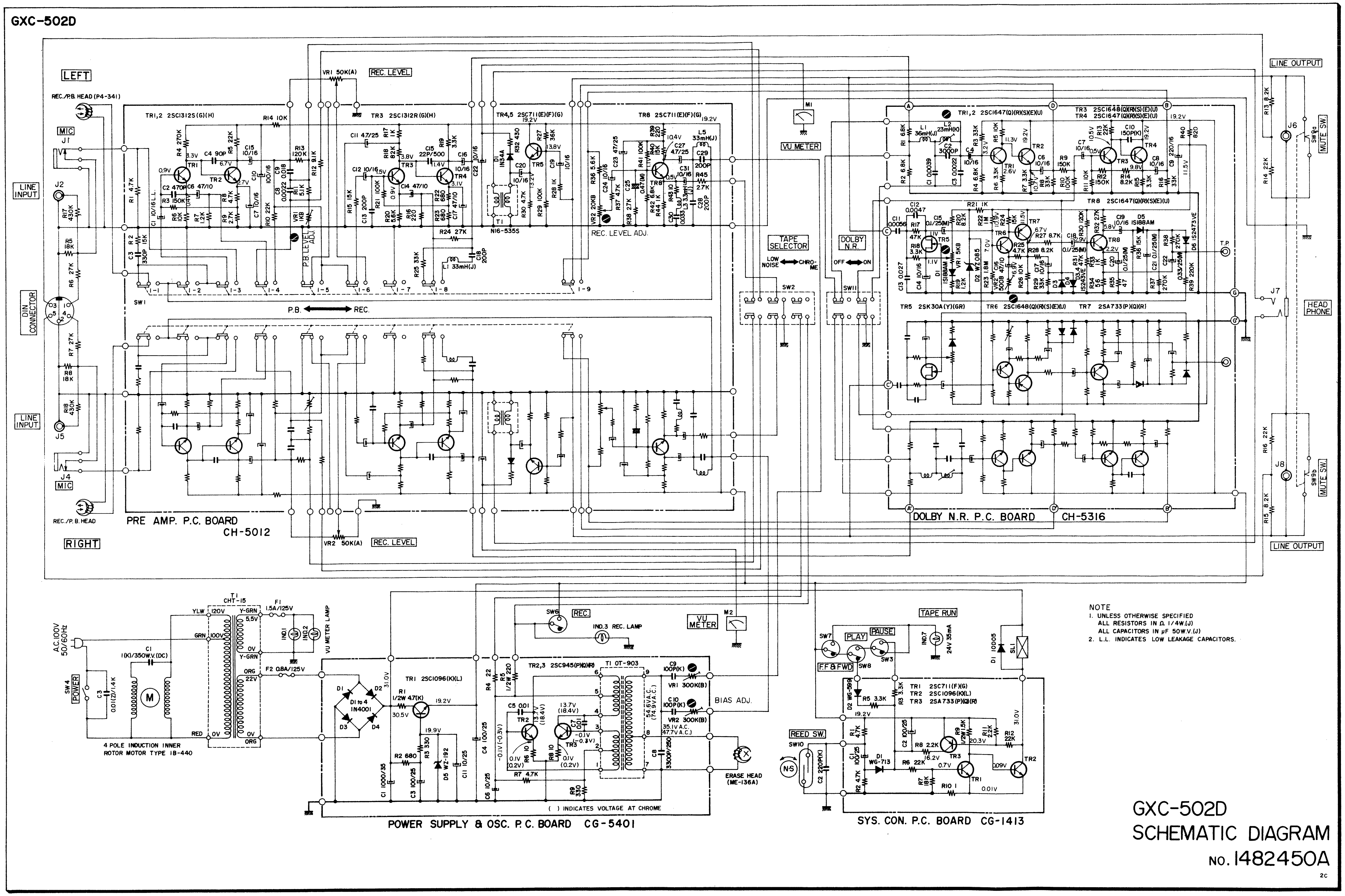
TR1,2 2SC711(E)(F)(G)
TR3 2SC1312R(G)(H) TR4 2SC711(E)(F)(G)
19KHz FILTER ADJ.
L1 36mH(J)
L2 23mH(J)
C2 3000P
R1 10K
C1 10/16
R2 3.3K
R3 300K
R4 47K
R5 3.3K
R6 470
C3 0.0039
C5 0.0022
C4 1/25
R8 100
R7 12K
C24 50P(K)
R9 12K
R10 2.2K
C6 10/16
R11 33K
C7 10/16
R12 150K
R13 100K
R14 10K
R15 22K
C10 22P(K)
R16 150K
R17 8.2K
C8 10/16
R18 2K
R19 33K
C9 220/16
R20 820
18.6V
+B
TR6 2SC1312R(G)(H) TR7 2SA628(E)(F)
TR8 2SC711(E)(F)(G)
TR5 2SK30A(GR)
C12 0.0047
C11 0.0056
R23 39K
R24 3.3K
VR1
C15 0.1(K)
R25 2.2K
R26 82K
R28 680K
R29 15K
C23 100P(K)
R30 4.7K
R32 8.2K
R33 8.2K
C18 0.1(K)
R35 120K
R37 2.7K
C19 10/16
D5 1N34A
R22 33K
C13 0.027
C14 10/16
R27 1.2K
D1 1N34A
D2 WZ085
C16 47/16
VR2 500B
GAIN ADJ.
R31 10K
C17 10/16
R34 33K
D3 1S2473VE
D4 1S2473VE
R36 47K
R38 1K
R39 56
C20 0.1(K)
R40 47
R41 15K
C21 0.1(K)
R42 270K
R43 270K
C22 0.33(K)
R44 220K
D6 WG599
TP1
GATE BIAS ADJ.
+B
DOLBY LAMP
IND.6
SW11
OFF ON
DOLBY N.R.
A
B
C
A'
B'
C'
D
DOLBY N.R. P.C. BOARD CP-5003

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W(J)
ALL CAPACITORS IN μF 50W.V.(J)

GXC-510D, GXC-505D
SCHEMATIC DIAGRAM

NO. 2-2 1482042A

2C


GXC-502D
LEFT
RIGHT
REC./P.B. HEAD (P4-341)
REC./P.B. HEAD
MIC
J1
J2
J4
J5
LINE INPUT
DIN CONNECTOR
TR1,2 2SC1312S(G)(H)
TR3 2SC1312R(G)(H)
TR4,5 2SC711(E)(F)(G)
TR8 2SC711(E)(F)(G)
VR1 50K(A)
VR2 50K(A)
REC. LEVEL
P.B. LEVEL ADJ
REC. LEVEL ADJ.
N16-5355
SW1
P.B. ←→ REC.
PRE AMP. P.C. BOARD
CH-5012
M1
VU METER
TAPE SELECTOR
LOW NOISE ←→ CHROME
SW2
DOLBY N.R.
OFF ←→ ON
SW11
TR1,2 2SC1647(Q)(R)(S)(E)(U)
TR3 2SC1648(Q)(R)(S)(E)(U)
TR4 2SC1647(Q)(R)(S)(E)(U)
TR8 2SC1647(Q)(R)(S)(E)(U)
TR5 2SK30A(Y)(GR)
TR6 2SC1648(Q)(R)(S)(E)(U)
TR7 2SA733(P)(Q)(R)
DOLBY N.R. P.C. BOARD
CH-5316
T.P
LINE OUTPUT
J6
J7
J8
SW9a MUTE SW.
SW9b MUTE SW.
HEAD PHONE
A.C.100V 50/60Hz
SW4 POWER
C3 0.01(Z)/1.4K
C1 1(K)/350W.V.(DC)
M
4 POLE INDUCTION INNER ROTOR MOTOR TYPE 1B-440
T1 CHT-15
F1 1.5A/125V
F2 0.8A/125V
VU METER LAMP
D1 to 4 1N4001
TR1 2SC1096(K)(L)
D5 WZ-192
SW6
REC.
IND.3 REC. LAMP
VU METER
M2
TR2,3 2SC945(P)(Q)(R)
T1 OT-903
VR1 300K(B)
VR2 300K(B)
BIAS ADJ.
ERASE HEAD (ME-136A)
( ) INDICATES VOLTAGE AT CHROME
POWER SUPPLY & OSC. P.C. BOARD CG-5401
TAPE RUN
IND.7 24V 35mA
SW7
PLAY
PAUSE
SW3
F.F & FWD
SW8
D1 10D05
SL1
TR1 2SC711(F)(G)
TR2 2SC1096(K)(L)
TR3 2SA733(P)(Q)(R)
REED SW.
SW10
N.S
SYS. CON. P.C. BOARD CG-1413

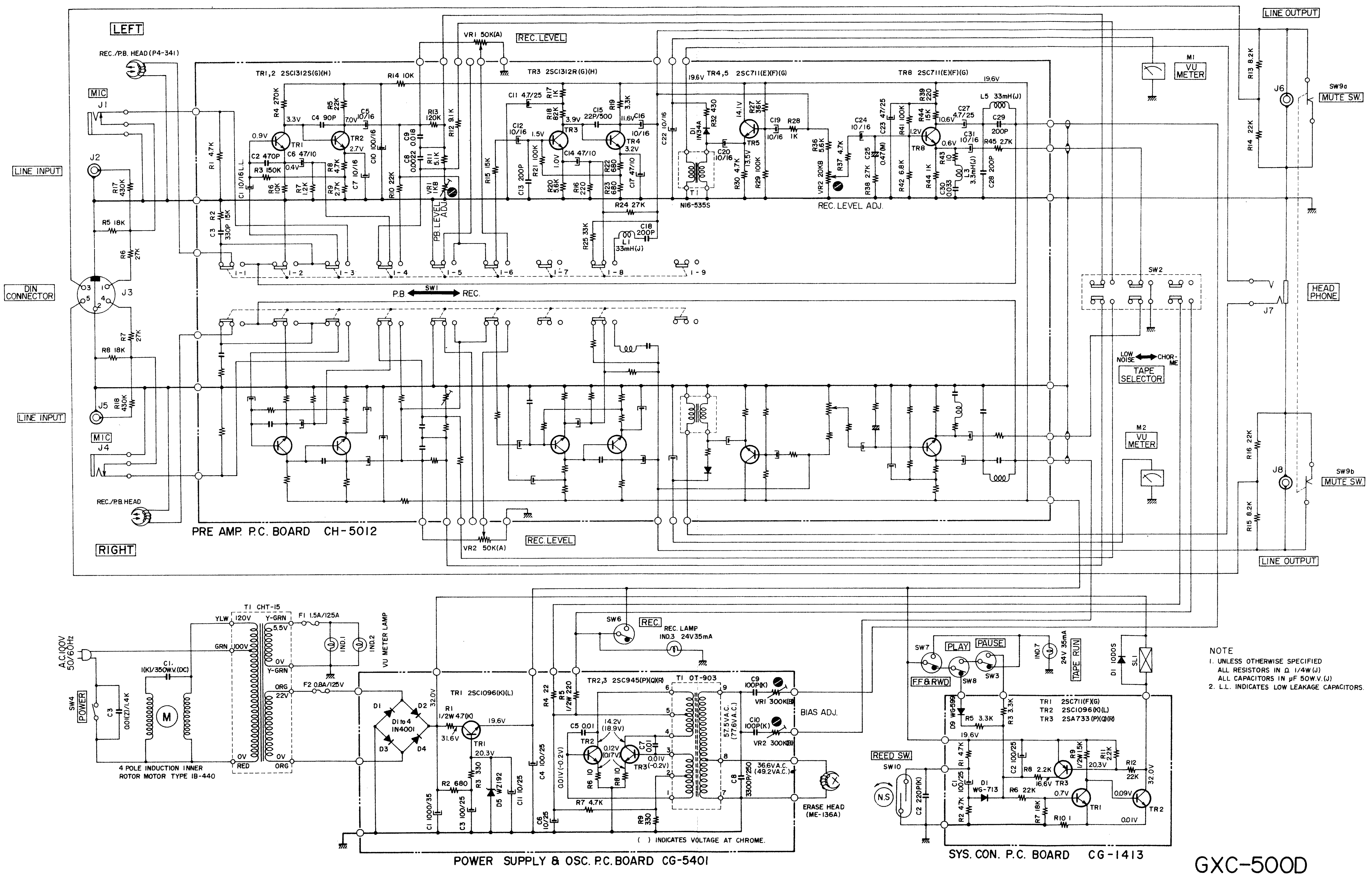
NOTE

1. UNLESS OTHERWISE SPECIFIED
   ALL RESISTORS IN Ω 1/4W.(J)
   ALL CAPACITORS IN μF 50W.V.(J)
2. L.L. INDICATES LOW LEAKAGE CAPACITORS.

GXC-502D
SCHEMATIC DIAGRAM
NO. 1482450A

2c

GXC-500D

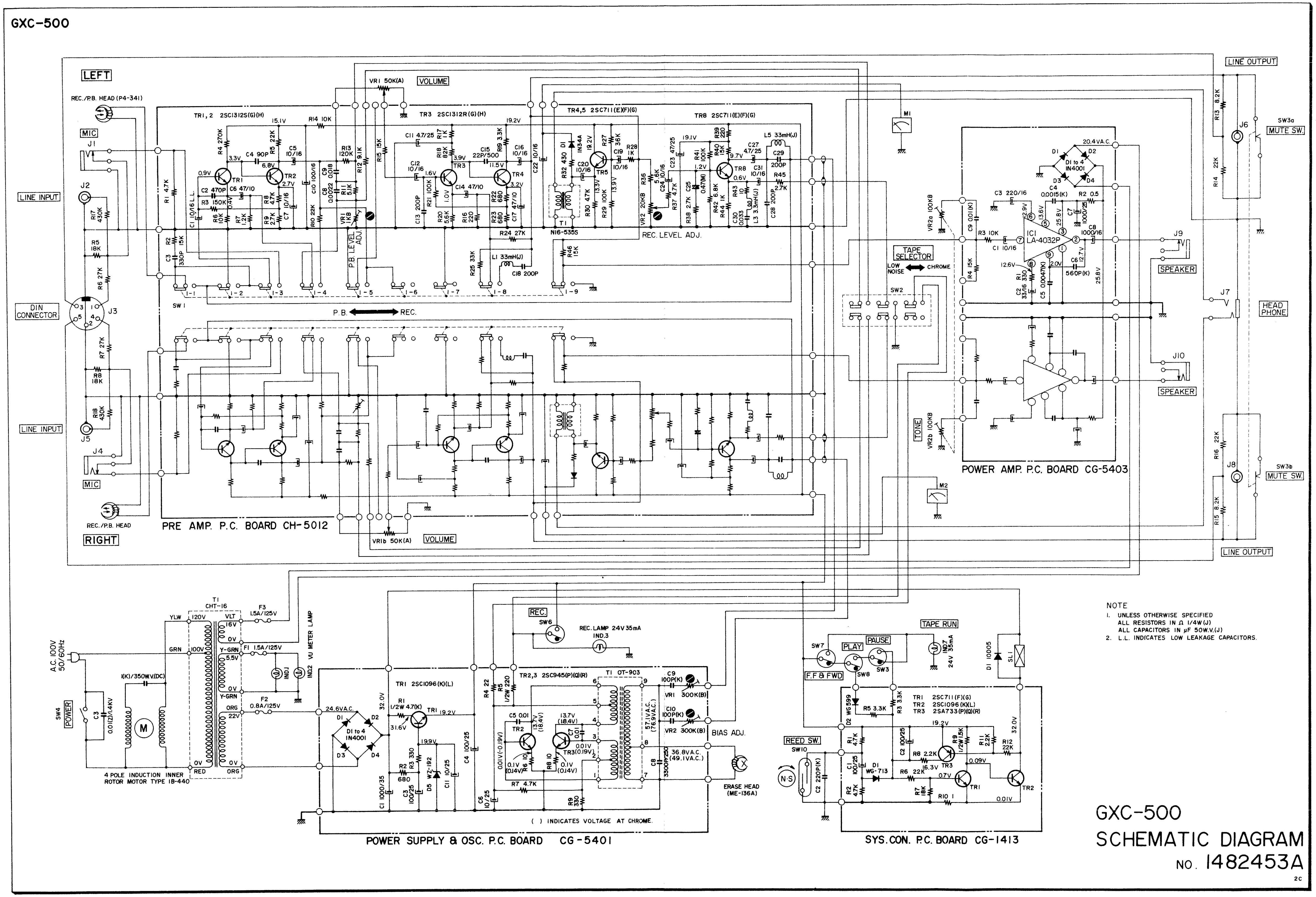

LEFT
RIGHT
REC./P.B. HEAD (P4-341)
REC./P.B. HEAD
MIC
J1
J2
LINE INPUT
DIN CONNECTOR
J3
J4
J5
TR1,2 2SC1312S(G)(H)
TR3 2SC1312R(G)(H)
TR4,5 2SC711(E)(F)(G)
TR8 2SC711(E)(F)(G)
VR1 50K(A)
REC. LEVEL
VR2 50K(A)
P.B. LEVEL ADJ.
REC. LEVEL ADJ.
N16-535S
SW1
P.B
REC.
PRE AMP. P.C. BOARD CH-5012
SW2
LOW NOISE
CHROME
TAPE SELECTOR
M1 VU METER
M2 VU METER
LINE OUTPUT
J6
J7
J8
HEAD PHONE
SW9a MUTE SW.
SW9b MUTE SW.
T1 CHT-15
A.C.100V 50/60Hz
SW4 POWER
4 POLE INDUCTION INNER ROTOR MOTOR TYPE IB-440
F1 1.5A/125A
F2 0.8A/125V
IND.1
IND.2
VU METER LAMP
D1 to 4 1N4001
TR1 2SC1096(K)(L)
TR2,3 2SC945(P)(Q)(R)
T1 OT-903
SW6
REC.
REC. LAMP IND.3 24V 35mA
VR1 300K(B)
VR2 300K(B)
BIAS ADJ.
ERASE HEAD (ME-136A)
( ) INDICATES VOLTAGE AT CHROME.
POWER SUPPLY & OSC. P.C. BOARD CG-5401
SW7
PLAY
PAUSE
FF&RWD
SW8
SW3
IND.7 24V 35mA
TAPE RUN
D1 10D0S
SL1
REED SW.
SW10
N.S
TR1 2SC711(F)(G)
TR2 2SC1096(K)(L)
TR3 2SA733(P)(Q)(R)
SYS. CON. P.C. BOARD CG-1413

NOTE
1. UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W (J)
ALL CAPACITORS IN µF 50W.V. (J)
2. L.L. INDICATES LOW LEAKAGE CAPACITORS.

GXC-500D
SCHEMATIC DIAGRAM

NO. 1482452A

2C


GXC-500
LEFT
RIGHT
REC./P.B. HEAD (P4-341)
REC./P.B. HEAD
MIC
J1
J2
J3
J4
J5
LINE INPUT
DIN CONNECTOR
VR1 50K(A)
VOLUME
VR1b 50K(A)
TR1, 2 2SC1312S(G)(H)
TR3 2SC1312R(G)(H)
TR4,5 2SC711(E)(F)(G)
TR8 2SC711(E)(F)(G)
P.B. LEVEL ADJ.
REC. LEVEL ADJ.
T1 N16-535S
L1 33mH(J)
L5 33mH(J)
SW1
P.B.
REC.
PRE AMP. P.C. BOARD CH-5012
M1
M2
TAPE SELECTOR
LOW NOISE
CHROME
SW2
TONE
VR2a 100KB
VR2b 100KB
IC1 LA-4032P
D1 to 4 1N4001
POWER AMP. P.C. BOARD CG-5403
LINE OUTPUT
J6
J7
J8
J9
J10
SW3a MUTE SW.
SW3b MUTE SW.
SPEAKER
HEAD PHONE
A.C. 100V 50/60Hz
SW4 POWER
1(K)/350WV(DC)
C3 0.01(Z)/1.4KV
M
4 POLE INDUCTION INNER ROTOR MOTOR TYPE 1B-440
T1 CHT-16
YLW
GRN
RED
120V
100V
VLT
16V
Y-GRN
5.5V
0V
ORG
22V
F1 1.5A/125V
F2 0.8A/125V
F3 1.5A/125V
IND1
IND2
VU METER LAMP
TR1 2SC1096(K)(L)
TR2,3 2SC945(P)(Q)(R)
T1 OT-903
REC.
SW6
REC. LAMP 24V 35mA IND.3
VR1 300K(B)
VR2 300K(B)
BIAS ADJ.
ERASE HEAD (ME-136A)
( ) INDICATES VOLTAGE AT CHROME.
POWER SUPPLY & OSC. P.C. BOARD CG-5401
TAPE RUN
IND7 24V 35mA
SW7
PLAY
PAUSE
F.F & FWD
SW8
SW3
D1 10D05
SL1
TR1 2SC711(F)(G)
TR2 2SC1096(K)(L)
TR3 2SA733(P)(Q)(R)
REED SW.
SW10
N·S
D2 WG599
D1 WG-713
SYS.CON. P.C. BOARD CG-1413

NOTE
1. UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W(J)
ALL CAPACITORS IN μF 50W.V.(J)
2. L.L. INDICATES LOW LEAKAGE CAPACITORS.

GXC-500
SCHEMATIC DIAGRAM
NO. 1482453A

2C